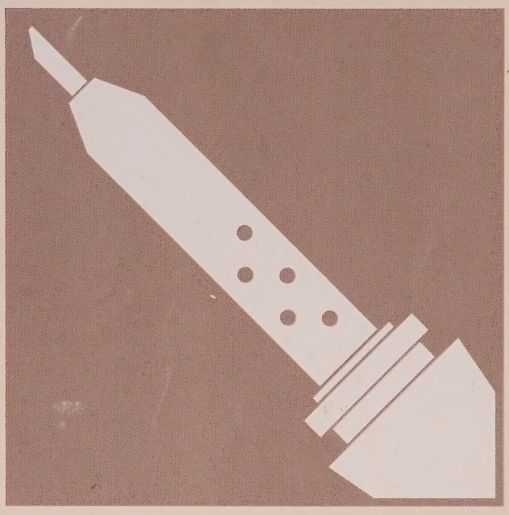
Hamvention®



Homebrew Radio

The Dayton Convention & Visitors Bureau Welcomes

HAMVENTION

DAYTON™

CONVENTION & VISITORS BUREAU

Be sure to enjoy the Greater Dayton area restaurants, attractions, and shops while you're here!

For more information contact us today at 800-221-8235 or daytoncvb.com.

@daytoncvb @daytoncvb

#DaytonHamvention

Welcome to the 2015 Dayton Hamvention
Homebrew Radio... Embracing the new and old

Hello to all Hamvention Visitors,

Welcome to Dayton, Ohio and to the 63rd Dayton Hamvention. The past 62 annual gatherings of amateurs have had their special moments and activities that we all remember. Our committees have worked hard all year long to plan and improve this year's event.

Sponsored again by Dayton Amateur Radio Association (DARA), this year's event has remained a totally volunteer activity. With well over 400 volunteers, our goal is to make every Hamvention the benchmark event of the worldwide amateur radio community.

Continuing with 2014's "Makers" theme, we have tried to expand in a similar vein the "Homebrew" aspect of the hobby. With the upswing of interest in the newer technologies such as: the large Makers Movement seen worldwide, use of software operated devices designed by the amateur, 3D printing and circuit design, and Mesh Networking of communications, we are attempting to draw all phases of the Home Brew aspect of today's hobby together here at Dayton in 2015. We invite you to look at some of the new technologies that have grown out of the old tried and true "Homebrew" successes of the past.

While here in Dayton we hope you can renew old friendships and kindle new and lasting ones. Attend as many Forums as you can that follow your interests, or go to new ones discovered while here. But most of all please enjoy your time with us.

We thank you for attending this year, and look forward to our planning of the 2016 Hamvention to make it as good an experience for you as we can make it.

Best of 73's,
Jim Tiderman, N8IDS
General Chairman

Jim Tiderman, N8IDS
General Chairman

Ron Cramer, KD8ENJ
Assistant General Chairman

Table of Contents

Activities & Times 3
ADA Parking 6
Affiliated Events 10-13
Award Winners 35-36
Award Winners – Previous 36-37
Baggage Check 4
Banking Service 4
Bus Service 5
Club of the Year 35
Comments Invited 7
DARA – Past Presidents 47
DARA Booth 4
DARA Membership 4
DARA Clubhouse 8
DARA Officers 48
Dayton Hamvention Committee 14-15
Dayton Map 42
Emergency Medical Care 4
Exhibitors 16-17
Exhibitors Map 18-19
Flea Market West Map 20-21
Flea Market East Map 22-23
Forums Schedule 27
Forums Friday 28-32
Forums Saturday 33-34, 38-39, 43-44
Forums Sunday 44-45
Future Dayton Hamvention Dates 5
Hamvention Past General Chairs 46
Open House at DARA Clubhouse ..... IBC
License Exams 4
Lost & Found 4
Parking 5
Past DARA Presidents 47
Phone Numbers 7
Prizes 26
Repeaters 10
Scholarships 40-41
Scooters 5
Services 4
Shipping Service 4
Special Event Station 4
Talk-in Frequencies 5
Taxi Information 5
Temporary Loading Pass 5
Tickets 3
Transportation & Parking 5-6
Youth DX Expeditions 9
Welcome Messages 1, 7

Advertisers' Index

ARRL Exhibit & Activities Guide 24-25
Dayton/Montgomery County Convention & Visitors Bureau ..... Inside Front Cover
Dayton Amateur Radio Association (DARA) Inc. ..... Inside Back Cover
Ham Radio Germany (DARC) 3
Kenwood ..... Back Cover

Publication Deadline

Information to be included in the Hamvention Program must be submitted to the Hamvention committee **program@hamvention.org** no later than April 1 of the publication year.

Design and Layout

Program was created by Chuck Wright, K8MDB

The Dayton Hamvention Program is published by the Hamvention Committee. Permission is granted for reprinting articles, provided credit is given to the original author and the Hamvention Program.

Souvenir Program Committee

Chair ..... Jerry Miller, WD8QAI
Asst. Chair ..... Barb Holmes, N8EYW
Proofreaders ..... Ron Cramer, KD8ENJ
Linda Kalter
Jim Shaw, AL7BA

The Dayton Amateur Radio Association (DARA) and Hamvention fully support and are committed to the objectives of the Americans with Disabilities Act (ADA). We strive to provide equal opportunity to all ADA qualified persons who participate in Hamvention®. Our objective is to provide access to the event and we expect nothing less of those who provide building facilities, exhibits and services at our event.

Activities & Times

FRIDAY ACTIVITIES

8:00 a.m. - 6:00 p.m.	Flea Market open. Bus service available starting 7:00 a.m. (Buses are scheduled to pick up passengers at 7 a.m. to arrive at HARA by 8 a.m.) Programs available at all ticket selling points & DARA Booth.
9:00 a.m. - 6:00 p.m.	Inside Exhibits open, prizes on display, and exams.
9:15 a.m. - 5:00 p.m.	Forums and scheduled activities.
11:00 a.m. - 6:00 p.m.	Hourly prize drawings.

SATURDAY ACTIVITIES

8:00 a.m. - 5:00 p.m.	Flea Market open. Bus service available.
9:00 a.m. - 5:00 p.m.	Inside Exhibits open. Prizes on display and Exams.
9:15 a.m. - 5:00 p.m.	Forums and scheduled activities.
9:00 a.m. - 3:00 p.m.	Hourly prize drawings.

SUNDAY ACTIVITIES

8:00 a.m. - 1:00 p.m.	Flea Market open.
8:00 a.m. - 3:00 p.m.	Bus service available.
9:00 a.m. - 1:00 p.m.	Inside Exhibits open, prizes on display.
9:00 a.m. - 12:00 p.m.	Hourly prize drawings.
9:15 a.m. - 12:00 p.m.	Forums and scheduled activities.
1:00 p.m.	Award Winners' Presentation in Hara Arena.
1:00 p.m.	Prize Drawing in Hara Arena (unclaimed hourly prizes, followed by main prizes). Bus Service will be available for a short time after the main prize drawing.

Tickets

Full-price tickets are available at the Hara Arena Box Office (Door #14) and the East Hall (Door #27) during the times shown below. A General Admission ticket is required to enter both the Inside Exhibits and the Flea Market. The tickets are $25.00 and valid for all three days. All persons over 12 years of age attending the Hamvention are required to have an admission ticket. Special free student tickets are available for students through high school.

Bus tickets for transportation between the Remote Parking at the former Salem Mall and Hara Arena will be available at the Remote Parking Site under the Bus Ticket Sales tent. 3-day passes will be available on Friday for $8. 2-day passes will be available on Saturday for $6. A Sunday only 1-day pass will be available on Sunday for $4. Children under 45" or under 12 years of age can ride the bus, with an accompanying adult, free of charge.

Ticket Sales Hours

Friday	7:00 a.m. to 6:00 p.m.
Saturday	7:00 a.m. to 5:00 p.m.
Sunday	8:00 a.m. to 12:00 p.m.

Services

BAGGAGE CHECK

Baggage (boat anchors) can be checked for $3.00 per claim. The Baggage Check Room is located across the hall from Forum Room 3, just inside Conference Center entrance (Door #6) on the left. All items must be reclaimed by closing time each day. No overnight storage is permitted. Time is extended to 3:00 p.m. on Sunday.

BANKING SERVICES

Local banks are located near the former Salem Mall area. (See map on page 42.) An ATM is located to the right of Hara Arena's front door and opposite booth 483 (See map on pages18-19.)

DARA BOOTH/MEMBERSHIP

The DARA Booth is located in the lobby of Hara Arena. Programs are available. DARA membership is located inside of Door 14 (Map 18-19).

EMERGENCY MEDICAL CARE

On-site Emergency Medical Services are located to the right of the Conference Center Entrance. See the Inside Exhibits Map on Pages 18-19.

Emergency care is also available from the following:

Doctors' Urgent Care
5915 N. Main Street, (937) 278-3826
8:30 a.m. - 10:00 p.m.

From Hara Arena: take Shiloh Springs east to traffic light at Main St. Turn left to second building on left.

Good Samaritan Hospital
2222 Philadelphia Dr., (937) 734-2612

From Hara Arena: take Wolf Road to Salem Ave. Turn left, proceed to the traffic light at Philadelphia. Follow signs to ER Entrance.

LOST & FOUND

The DARA Booth, located in the Hara Arena Lobby, will accept lost items. Items can be retrieved at this location the day the item was lost. To retrieve lost items later, please go to Hara Arena Box Office.

MESSAGE CENTER

Leave a message for your friends by submitting their call sign and message at the DARA Booth in the Hara Arena lobby. Prize monitors throughout the arena complex will periodically list "message holding" by call sign.

LICENSE EXAMS

Testing this year is at Basore Road Grace Brethren Church for Technician, General and Extra Class Amateur licenses. Friday May 15 testing starting at 10:00 a.m. to noon is available to anyone who does not already have an amateur license. Testing from noon until 5:00 p.m. on Friday is for all classes of licenses. Saturday, May 16, starting at 10:00 a.m. until 4:00 p.m. testing is for all classes of licenses.

Shuttle vans will be at main entrance door #14 to the Arena. Vans will have signs in their windows. Signs will be at the area where the shuttle vans will load and unload. They will have signs in their windows. They will run every half an hour starting at 8:30 both Friday and Saturday. It is a very short ride.

The Basore Road Grace Brethren Church besides hosting the exams this year, has a parking area that they are charging to park in and will have food available to purchase. You can ride the shuttle van to the church (at no charge) to buy food from them.

Exams will be given on a first-come, first-served basis. **No Pre-registration** is available unless special testing accommodation is required. Large print exams will be available at the regular test sessions. If you need your exam read to you, please email (exams@hamvention.org) and let us know how we can accommodate you and which session you would like to attend. **There is no fee for these exams.**

Each applicant must have the following:

1) The original current amateur radio license (to show us and a copy for file).
2) The original and a copy of any CSCE or other paperwork which will be submitted for credit.
3) A government-issued photo ID (e.g. driver's license)

SHIPPING SERVICE

The UPS Store offers freight service from the floor of Hamvention, near the North Hall entrance (Door #20) Booths 165 & 166. See map on Pages 18-19. Hours are as follows:

Friday	9:00 a.m. - 6:00 p.m.
Saturday	9:00 a.m. - 5:00 p.m.
Sunday	9:00 a.m. - 1:00 p.m.

SPECIAL EVENT STATION

Hamvention will broadcast to the world via the Special Event Station in the Ball Arena.
The station will be operating during the hours of the inside exhibit area. Frequencies (+/- QRM) will be:

40M - 7.050 / 7.227
20M - 14.050/ 14.270
10M - 28.050/ 28.470

Times 9:00 a.m.-6:00 p.m. EDT Friday & Saturday and 9:00 a.m.-11:00 a.m. EDT Sunday. CW will be tried on the hour as conditions permit. The station will have paddles for CW. The special event station will be utilizing TEN-TEC Omni VII radios this year.
For QSLs and certificates, please contact ARRL.
To operation the station you must have a copy of your license.

Transportation & Parking

TALK-IN FREQUENCIES

For directions and assistance in the Dayton area during your visit to Hamvention, contact "Talk-In" on the DARA Repeater 146.94 (-) with a backup frequency of 146.64(-). Dayton hams also monitor 223.94 (-) and 442.1 (+).

FREE PARKING & BUS SERVICE

Satellite Parking - at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. Bus Service (Handicap Equiped) is provided to and from Hamvention. Buses run continuously starting at 7:00 a.m. and complete their routes as quickly as possible. Due to changing traffic patterns and bus loads, an exact bus schedule is impossible. three-day passes will be available on Friday for $8. two-day passes will be available on Saturday for $6. A Sunday only one-day pass will be available on Sunday for $4. Bus tickets may only be purchased at the Salem Mall parking area under the Bus Tickets Sales tent and cannot be purchased at Hara Arena. Keep your bus ticket, as there is no limit on the times you may ride the bus per day.

PAID PARKING

Hamvention has no paid parking available at the Arena. The only Hamvention sponsored parking is the former Salem Mall parking lot with bus service. There is adjacent parking available from private parties near the HARA but these are not controlled by Hamvention.

TRUCK & TRAILER PARKING

Semi-trucks and/or trailers, other over-sized vehicles, and large self-contained vehicles can park in designated areas at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. No overnight parking or camping is permitted. All vehicles must be removed by 9 p.m. each night. The Trotwood police department will enforce the no overnight parking rule.

Future Hamvention Dates

May 20, 21, & 22, 2016
May 19, 20, & 21, 2017
May 18, 19, & 20, 2018

CAMPER PARKING

Campers, trailers, self-contained vehicles, or vehicles that require more than one space can park at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. From there you may take the bus to Hara Arena. three-day passes will be available on Friday for $8. two-day passes will be available on Saturday for $6. A Sunday only one-day pass will be available on Sunday for $4. No overnight camping is allowed in the former Salem Mall parking lot.

TEMPORARY LOADING PASS

A temporary loading pass may only be obtained from the guard at Entrance 1 during the show (see map on Page 23). This restricted loading pass will be valid for 20 minutes and will allow you to use a designated area to load and unload equipment, or to pick up your exhibitor packet at the Exhibits Office. These passes will be time stamped and must be given to the guard at the exit when you leave.

Golf Cart Services

The Golf Cart Committee continues to provide no-cost shuttle rides for customers to/from the ADA parking area and the main arena from 7:00 a.m. - 6:00 p.m. For safety reasons, we do not take passengers in and out of the flea market area. However, if you are in the flea market and you purchase a large or heavy item we do provide hauling service based on availability. To ask for such assistance, please visit the flea market office and we will assist you ASAP. Please understand there may be a delay as we are sometimes assisting other customers.

Scootaround
Mobility Product Rentals

SCOOTERS

Arrangements may be made by contacting Scootaround Inc. toll-free at 1-888-441-7575, by email at info@scootaround.com, through their website at www.scootaround.com, or by fax at (204) 478-1172. Rental rate is $165.00 based on a three-day period. Equipment will be available on site based on availability for $65.00 a day. Advance reservations are encouraged. To pick up your scooter, please go to Door 26, see map on Pages 18-19.

TAXI INFORMATION

Miami Liberty Cab	937-222-2822
Checker Cab	937-222-4011
Antons	937-252-4756
Air City Cab	937-252-4444

Transportation & Parking (continued)

ADA PARKING

Hamvention does not have any public parking immediately at HARA Arena; however, it has been our desire and policy for many years to accommodate those individuals with special needs. We are very sensitive to those needs and have gone well beyond all regulations to secure (at extra cost to Hamvention) a limited number of spaces for these needs. Unfortunately, the demand for ADA/Handicapped parking continues to grow dramatically each year, and we simply are unable to accommodate everyone who requests a space.

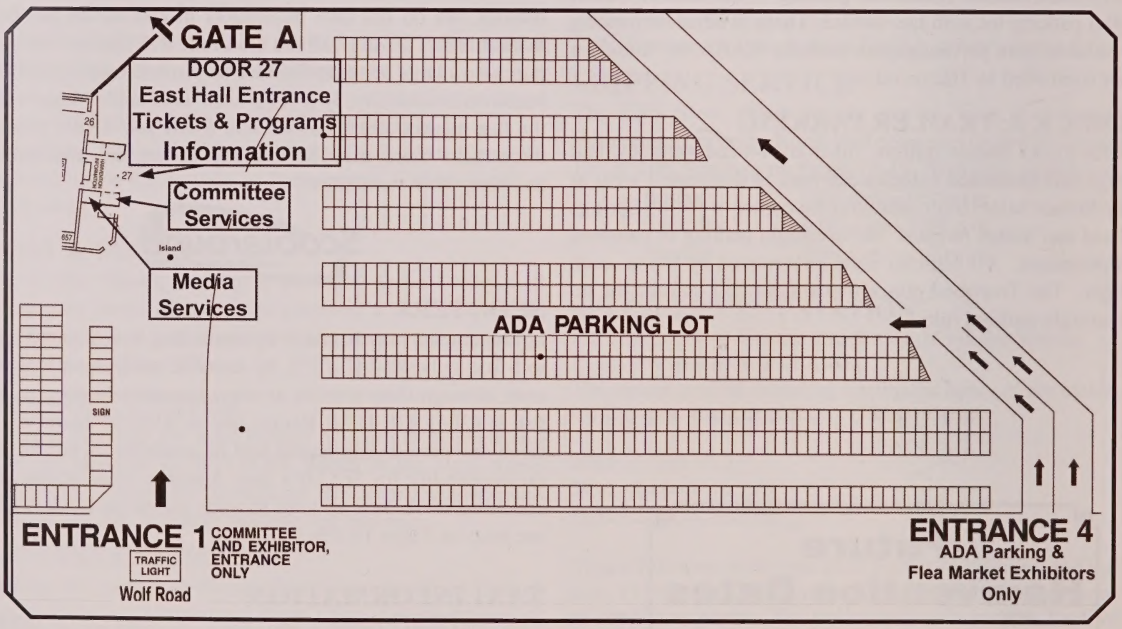
Therefore, as in past years, we require that you send with your ticket request a copy of your state issued ADA parking certificate and registration, along with an SASE, and we will process your request in the order in which it is received. Please remember, there are a very limited number of ADA/Handicapped parking spaces available, so get your request in early.

We have set aside 20 "Reserved" ADA Parking spaces for those individuals who were unaware of/or choose not to follow our recommendation to register early. Please understand if you choose to wait and just come to the show, the probability that you will find no ADA/Handicapped spaces available is extremely high.

Again, we STRONGLY urge you to send in your request early and in advance of the show.

The ADA parking fees remain the same as last year: $10.00 per day per car and $30.00 per day for campers, etc, payable at the gate. (Please note: Overnight campers, etc., are not permitted at Hara Arena.)

Please note: The buses running from Remote Parking to Hara Arena front entrance are ADA equipped.



Committee and Exhibitor Only Entrance
No left turn allowed from East Bound Traffic on Shiloh Springs
Enter from Wolf Road or West Bound Shiloh Springs

Welcome

NAN WHALEY
MAYOR

OFFICE OF THE MAYOR
CITY HALL • 101 WEST THIRD STREET
P.O. BOX 22 • DAYTON, OHIO 45401
(937) 333-3636 • www.daytonohio.gov

April 21, 2014

Greetings From The Mayor

Dear Friends:

On behalf of the City of Dayton, I am pleased to welcome the members of Hamvention held May 16-18, 2014 in Dayton, Ohio.

While we understand your focus during this event is to foster old friendships and develop new relationships, we also hope you will find the time to learn about our city.

Dayton is home to the Wright Brothers and the "Birthplace of Aviation;" therefore, it is only natural that many of our attractions would feature our aviation heritage. You can learn about the history of flight by visiting the Dayton Aviation Heritage National Historical Park, the Aviation Trail and the United States Air Force Museum, just to name a few.

I extend my very best wishes for a rewarding and memorable event in 2014 and beyond.

Sincerely,

Nan Whaley
Mayor
City of Dayton

TROTWOOD
Together We Are Creating a Bright Future

3035 Olive Road • Trotwood, Ohio 45426-2600
Phone: (937) 837-7771 • Fax: (937) 854-0574
www.trotwood.org

Michael J. Lucking, City Manager
Quincy E. Pope, Sr., Public Safety Director/Deputy City Manager

Trotwood City Council
Joyce Sutton Cameron, Mayor
Barbara J. Staggs, Vice-Mayor, At-Large
Bruce D. Kettelle, At-Large
Bettye L. Gales, Ward 1
Rap Hankins, Ward 2
Ron Vaughn, Ward 3
Mary A. McDonald, Ward 4
Sandy Riege, CMC, Clerk of Council

Mayor Joyce Sutton Cameron
Welcomes All Hamvention Attendees
May 15-17, 2015

On behalf of the City of Trotwood, Ohio, I am pleased to extend greetings and a warm welcome to members of Hamvention to Trotwood, Ohio and the Greater Dayton area. The cities of Trotwood and Dayton are very proud of this event and Hara Arena as its venue for well over 40 years.

Trotwood and Dayton are partners in its focus during this event to foster old friendships and develop new relationships. Come and enjoy the many attractions to be found in the region.

I extend my very best wishes to you for a regarding and memorable event in 2015 and beyond.

MAYOR
OF TROTWOOD, OHIO

MONTGOMERY
COUNTY

MONTGOMERY COUNTY
ADMINISTRATION BUILDING

451 West Third Street
P.O. Box 972
Dayton, Ohio 45422-1110

COUNTY COMMISSIONERS
Judy Dodge
Dan Foley
Deborah A. Lieberman

COUNTY ADMINISTRATOR
Joseph P. Tuss

Greetings To:

All Participants of the
Dayton Hamvention
May 17-19, 2013

As Commissioners of Montgomery County, we would like to welcome you to our region for participation in the Dayton Hamvention Convention. We believe the offerings of Dayton and Montgomery County will be enjoyable for you and, most importantly, all the attendees of your convention.

As you will discover, this area is rich in heritage, history, culture, and diversity. Our fine museums, attractions, shopping, and dining establishments will undoubtedly prove their outstanding reputations to you during your stay.

While you travel about the Dayton region, we believe you will realize the many advantages of selecting this area for your event. We stand ready to support all of your efforts and are certain you will find equal enthusiasm from our Convention & Visitors Bureau as well as the entire hospitality community.

Again, we welcome you to Dayton/Montgomery County and look forward to your return visit.

Sincerely,

Dan Foley
Commission President

Deborah A. Lieberman
Commissioner

Judy Dodge
Commissioner

Hamvention® Phone Numbers

Emergency (937) 276-6930

Inside Exhibits (937) 276-6931

Flea Market (937) 276-6932

Prizes (937) 668-5311

Comments Invited!

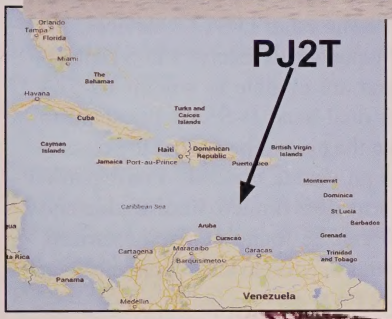
Comments on your experiences at the Dayton Hamvention® should be addressed to the following:

General Chairman
Dayton Hamvention®
P.O. Box 964
Dayton, Ohio 45401-0964

DARA Club House and Communication Truck

DARA Club House
Open House Hours:
Friday 6:00 p.m.-8:00 p.m.
Saturday 6:00 p.m.-8:00 p.m.

Youth DX Expeditions



In 2014 the Dave Kalter (KB8OCP, SK) YDXA memorial youth group traveled to PJ2T in Curacao. For 4 days in July the youth operators became "The DX"Putting 4500 q's in the log the youth team did a great job working all 50 states, 200 band countries and every continent on the globe.

All funding for the YDXA is raised by the youth operators with raffles, t-shirt sales and a booth at the Dayton Hamvention® Many radio clubs around the country also contribute funding as well as manufacturers donating equipment. There is no cost to the youth operators or their accompanying parent to make this trip. DARA continues to support the YDXA.

Affiliated Events

Multi Day Events

Thu, May 14, 11am – Fri, May 15, 2am

Holiday Inn Dayton/Fairborn I-675, 2800 Presidential Drive, Fairborn, OH 45324, United States
Registration opens (7am)
Seminars (8am - 4.30pm)
- Eric Swartz, WA6HHQ
- George Dobbs, G3RJV
- Jay Slough, K4ZLE
- Jim Everly, K8IKE
- Mike Bryce, WB8VGE
- Paul Darlington, M0XPD
- Glen Popiel, KW5GP
- + others

Vendor Evening (8pm - 10pm)
'Meet the Speakers' (8pm - 10pm)

Fri, May 15, 7:30am – 10:00pm

Buses to Hamvention (7.30am - 9.30am)
Buses back to hotel (3.30pm - 5.30pm)
Buildathon (3pm - 8pm)
QRP Club Night (8pm - 10pm)
Show and Tell (8pm - 10pm)
Homebrew Competition (8pm - 10pm)

Sat, May 16, 7:30am – 10:00pm

Buses to Hamvention (7.30am - 9.30am)
Buses back to hotel (3.30pm - 5.30pm)
Buildathon (3pm - 8pm)
QRP Club Night (8pm - 10pm)
Show and Tell (8pm - 10pm)
Homebrew Competition (8pm - 10pm)

Pre-Hamvention® D-STAR Meet Greet and Eyeball QSO

Thu, May 14, 7pm – 9pm

Marion's Piazza, 1320 North Fairfield Road, Beavercreek, OH 45432,

D-STAR Training Class

Fri, May 15, 8am – 11am
Drury Inn & Suites North - Dayton, 6616 Miller Lane, Dayton, OH 45414,

The ultimate D-STAR training class, D-STAR InfoCon 2015, returns to Dayton Hamvention for the fourth year to provide an introduction to D-STAR for the many new users getting on the air and more advanced topics for more experienced D-STAR users. The three-hour class will be held on Friday, May 15th beginning at 8:00am local time. It will be held at the Drury Inn at 6616 Miller Lane in the heart of hotel row near Hamvention. This year's topics will include basic D-STAR operation, programming for all models of D-STAR radios, using DR Mode, downloading and updating your radio memories and using other D-STAR devices. All registered class participants will receive a D-STAR InfoCon mouse pad and are eligible to win an ID-51A Anniversary Edition dual-band D-STAR handheld to be given away during the class. The cost of the class is $20.00 and includes all course material. Pre-registration is required and seating is limited. Registration and payment via PayPal can be found at www.dstarinfo.com. For more info, send an email to info@dstarinfo.com.

Friday Night D-STAR

Fri, May 15, 6:30pm – 8:30pm

The Georgia D-STAR Group will again host Friday Night D-STAR at the Drury Inn Ballroom, 6616 Miller Lane. Join us for presentations from the D-STAR experts around the world. Learn what's new in D-STAR with the latest hardware, software and accessories. Talk with the innovators and ask questions. Meet your favorite D-STAR contacts from around the country. Light refreshments will be available. All attendees are eligible to win an Icom ID-51A Anniversary Edition handheld radio to be given away during the meeting.

AMSAT Dinner @ Tickets

Thu, May 14, 10pm – Fri, May 15, 1am
Tickets Pub & Eatery, 7 West Main Street, Fairborn, OH 45324

The sixth annual AMSAT (Radio Amateur Satellite Corp.) "Dinner at Tickets" party will be held Thursday at 1800 EDT at Tickets Pub & Eatery at 7 W. Main St, Fairborn, OH. Great selection of Greek and American food and great company! No program or speaker, just good conversation. Food can be ordered from the menu; drinks (beer, wine, sodas and iced tea) are available at the bar. Leave room for dessert; there's an in-house ice cream shop! Come as you are. Bring some friends and have a great time the night before Hamvention.

Contest University

Thu, May 14, 11am – 9pm
Crown Plaza Hotel, Dayton OH
Contest University will be held on Thursday May 14, 2015, from 7:00 am to 5:00 p.m., at the Crowne Plaza Hotel in Dayton, Ohio. This is the day before the Dayton Hamvention officially opens. Don't miss this rare opportunity to gain knowledge that may take you years of practice, trial and error or lost time to learn otherwise. Get the edge to improve your scores and put your station in the winners circle today! Advance registration is needed. http://contestuniversity.com

Contest Super Suite

Thu, May 14, 7pm – Fri, May 15, 2am
Crowne Plaza Dayton, 33 East 5th Street, Dayton, OH 45402.
Wed. May 13 thru Sat. May 16, 2015
7pm - 2am Each Night
Crowne Plaza, Dayton OH
2nd floor – Harding, McKinley, Garfield and Harrison rooms
Wednesday, May 15
Contest University registration from 8 PM to 10 PM.
10:30 PM Pizza Party Sponsored by Contest University 2014.
Thursday, May 16
10:30 PM Pizza Party Sponsored by K8CC, K3WW and K3LR
Friday, May 17
10:00 PM Spurious Emission Band performs live in the Presidential Ballroom.
11 PM Pizza Party Sponsored by the Patomac

AMSAT: Amateur Satellite Demonstrations

Fri, May 15,and May 16 Sat 9am – 4pm
Sun, May 17, 9am – 11am
Hara Arena Conference & Exhibition Center Door 1 Description

Amateur Satellite operation demonstrations will be held outside the Ball Arena entrance. AMSAT will be demonstrating actual contacts with the operational amateur satellites every day. We especially want to invite youth to make a contact via an amateur satellite. All are invited to observe, participate and ask questions. Satellite pass times will be posted at the AMSAT booth (433-435, 444-446) and in the demo area.

AMSAT/TAPR Banquet

Fri, May 15, 6:30pm – 9:00pm
Kohler Presidential Banquet Center, 4572 Presidential Way, Kettering, OH 45429
The ninth annual AMSAT/TAPR Banquet will be held on Friday night, May 15, at 1830 EDT. This dinner is always a highlight of the AMSAT (Radio Amateur Satellite Corp.) and TAPR (Tucson Amateur Packet Radio) activities during the Dayton Hamvention.
This year's speaker will be Michael Ossmann, AD0NR, "Adventures of a Hacker Turned Ham"
Michael Ossmann, AD0NR, grew up as a computer nerd embracing the hacker ethos. Eventually Michael became very interested in the security of wireless systems such as remote keyless entry, garage door openers, Wi-Fi, and Bluetooth. He designed Ubertooth One, a Bluetooth sniffer that was successfully funded on Kickstarter. Not one to rest, Michael later designed and successfully funded HackRF One, an open source SDR platform that attracted the attention of the amateur radio community. Michael will talk about his unique perspective on the community as an outsider looking in, why he resisted getting a license for years, and why he finally decided to join. Michael will also share his thoughts on what it means to be a hacker, what it means to be a ham, and what amateur radio may look like in the decades to come.
Tickets ($35 each) must be purchased online in advance on the AMSAT website at www.amsat.org through the AMSAT Store tab. Tickets will not be sold at the Hamvention or at the door. Tickets purchased online may be collected at the AMSAT booth (433-435, 444-446). The Banquet will take place at the Kohler Presidential Banquet Center, 4572 Presidential Way, Kettering, OH 45429 (just south of Dayton). The cash bar will open at 1830 EDT, with the dinner commencing around 1900 EDT.

SPACE FEST

Visit the National Museum of the U.S. Air Force on May 15-16 for a multitude of exciting space-related activities! The museum and a number of partner organizations will offer hands-on activities for all ages, including special appearances by astronauts, a 5K fun run/walk and 1-mile kids' race, a star-gaze with telescopes, a chance to see the museum's Space Shuttle Exhibit, model rocket building and launching, and much more. Admission to most activities is FREE! More information, including a detailed schedule is available at www.nationalmuseum.af.mil/spacefest.asp.

Affiliated Events

Top Band Dinner – 26th Annual event

Fri, May 15, 10:15pm – Sat, May 16, 2:15am
TopBand Dinner – 26th Annual event
Crowne Plaza Hotel downtown Dayton– Presidential Ballroom
Friday evening, May 15, 2015
6:15 PM social hour
7:30 PM Dinner
Dinner program by Bob Allphin, K4UEE on the K1N TopBand operation
TopBand hospitality
Reservations in advance – limited seating
Please go to http://topbanddinner.com for tickets and information

Collegiate Ham Radio Dinner

Fri, May 15, 7pm – 9pm
Little York Tavern & Pizza, 4120 Little York Road, Dayton, OH 45414
What: Collegiate Ham Radio Dinner
When: Friday, May 15, 7pm
Where: Little York Tavern & Pizza, 4120 Little York Rd, Vandalia, OH 45414
Organizer: Sam Rose KC2LRC, on behalf of the Clarkson University Amateur Radio Club
Contact: kc2lrc@gmail.com - 315-491-2634

The Collegiate Ham Radio Dinner is a get-together of current and past collegiate ham radio operators, and anyone who shares an interest in college ham radio clubs and activities. Come meet members and alumni from clubs across the country, share your college ham radio experiences, and discuss the projects and activities you've done! High school students looking at colleges are encouraged to attend as this is an excellent opportunity to get an idea of what a college ham radio club has to offer.

This event is being organized by Sam Rose, KC2LRC, on behalf of the Clarkson University Amateur Radio Club. Everyone is welcome! Feel free to contact Sam with any questions at kc2lrc@gmail.com. RSVPs are appreciated but not required.

23rd Annual Dayton Contest Dinner

Sat, May 16, 5:30pm – 10:00pm
Crowne Plaza Dayton, 33 East 5th Street, Dayton, OH 45402, United States (map)

The North Coast Contesters are proud to announce The 23rd Annual Dayton Contest Dinner. Master of Ceremonies for the Dayton Contest Dinner is John Dorr, K1AR. The 2015 CQ Contest Hall of Fame Inductions will be formally announced by Randy Thompson, K5ZD. The keynote dinner speaker will be ARRL President Kay Cragie, N3KN. The Contest Dinner will be held on Saturday night, May 16, 2014 at 6:30 PM. Cash bar opens at 5:30 PM. Located at the Crowne Plaza Hotel (Official Contest Hotel) 5th and Jefferson Streets (Next to the Convention Center) Dayton (Downtown), Ohio in the PRESIDENTIAL BALLROOM. Seating is random. Tables are set in rounds of 10. Tickets are only available on http://www.contestdinner.com Many contest operators from around the world attend this event. If you enjoy radio contesting, you do not want to miss this Contest Dinner in Dayton, Ohio. There are no tickets available at the door.

SWODXA DINNER

The SouthWest Ohio DX Association (SWODXA) has announced that 'C82DX – Plan, Plan, and Plan again, Murphy still makes a visit!" will be the keynote topic for their 30th annual DX dinner®. The dinner, held in conjunction with the 2015 Dayton Hamvention®, will be on Friday, May 15th, at the Marriott Hotel in Dayton. N1DG and N4XP will be the presenters.

Don Greenbaum, N1DG, grew up in New York City and the NJ Shore. His father, WA2UDV, was his radio mentor and two other siblings also had their licenses by the time Don became WN2DND at age 11 in 1962.
Don has been on several major DXpeditions including VP8ORK, K4M and A52A. He has also operated as A61AD, A51DG, C91DG, A73A, and /KH9, /VP9, /VS6, /BV2, /4X and /9V. His latest DXpedition was to C82DX which he co-led with N4XP.

He has been webmaster for over 50 DXpeditions. In 2005 Don was honored at Dayton by CQ Magazine by being inducted into the CQ DX Hall of Fame. In 2009 Don was one of the founding members of the CW Operators' Club (member number 2). He is Treasurer of the Northern California DX Foundation and has authored several articles on the rising costs and financing of major DXpeditions.

Tom Harrell, N4XP, was first licensed in 1960 as KN4TSJ in Norfolk VA but upgraded quickly to K4TSJ at the age of 15. After working a "YU" as a novice, DX was discovere and became a prime interest which is as strong today as in those early years. Previous calls include V73XP, OK8XP, ON9CXP, ZK1XXP, AL7EL, K4TSJ and W8FCI.

Tom, currently credited with 365 entities also holds DXCC #1 Honor Roll; CW, Phone, and Mixed Honor Roll; 9 Band DXCC; 5BWAZ (190); CQ DX – SSB & CW; WPX – CW, SSB and Mixed.

Tom has led DXpeditions to Wake Island as AL7EL/KH9, KH9/AL7EL, and N4XP/KH9 and North Cook as ZK1XXP. He co led DXpeditions to C82DX in Mozambique and K4M on Midway with N1DG and K5K on Kingman Reef with NI6T.In all Tom has either visited or operated from 41 countries.

Annual CW Pileup Competition

Kansas City DX Club Hospitality Suite
Dayton Crowne Plaza Hotel - Suite 525
Saturday nights beginning at 8:00 p.m.

Competition History and Details:

The Kansas City DX Club has hosted its hospitality suite at the Dayton Crowne Plaza Hotel on Hamvention weekend every year since 1980. That same year, the club introduced its popular CW Pileup Competition, which was an instant hit, and quickly became a "must-do" for contesters and DXers from all over the world.

The format is straightforward - Participants are seated at a table in an adjoining room, and are given a set of headphones and a laptop. They are charged with copying as many calls as possible from a pileup of about 100 calls. The pileup file (created anew each year by Russ, KØVXU) simulates a possible "on the air" experience, with some calls sent once, some twice, at varying speeds and pitches. Some calls are "in the clear", but many are on top each other. After about five minutes, the test is over, and the current participants are ushered out one door while six more enter from another.

The entries are scored automatically, and the scores are quickly transcribed to a results chart on the wall in the main hospitality suite.

Beginning with the 2011 competition, those visiting the hospitality suite are able to view a live "Morse Race" on the suite's big-screen TV! The display shows a live graph of the current participants as they actually copy calls, and the rankings are updated almost instantaneously as well. This exciting new aspect of the contest was created by Chuck, NO5W, whose software engine drives our entire system.

The last test is offered about midnight, and then great prizes, provided by generous donors from the amateur radio equipment industry, are presented to the winners.

If you make it to the Dayton Hamvention, don't miss this event...Saturday nights beginning at 8:00 p.m. You'll have a great time, and may take home a great prize!

First Row Left to Right Kneeling:
Joe Sheline, Art Stauber, Jim Shaw, Marvin Force, Bob Baker, Dave Trtich, and Jack Gerbs.

Second Row, Left to Right Sitting:
Jim Tiderman, Ross Brown, Nancy Krodel, Hazel Everetts, Susan Jebens, Janey Ruminski, Joe Gavin, Gary DesCombes, Steve Coy, and Tom Reynolds.

Third Row Left to Right Standing:
Jeff Everetts, Jerry Cornett, Steve Koogler, Jim Nies, Jerry Bodey, Chuck Wright, Stan Leeds, Mike Kalter, Mike Buehler, Chris Jebens, Ron Cramer, Mark Mattix, Dan Puckett, Henry Ruminski, Jeff DeVoe, Dave Crawford, Rob Lunsford, Dave Hendricks, and Terry Scott.

2015 Dayton Hamvention Committee

Administration

General Chairman Jim Tiderman, N8IDS

Assistant General Chairman Ron Cramer, KD8ENJ

Administration	Phone Line / Info Chair Women	Shirley
Administration	Mail / ScootAround	Tom
Administration	Hara Laison	Lee
Administration	Ambassador at large	Ron

Roberts	N8LX
Reynolds	KC8AEU
Boeckerman	W8LFB
Moorefield	W8ILC

COMMITTEES

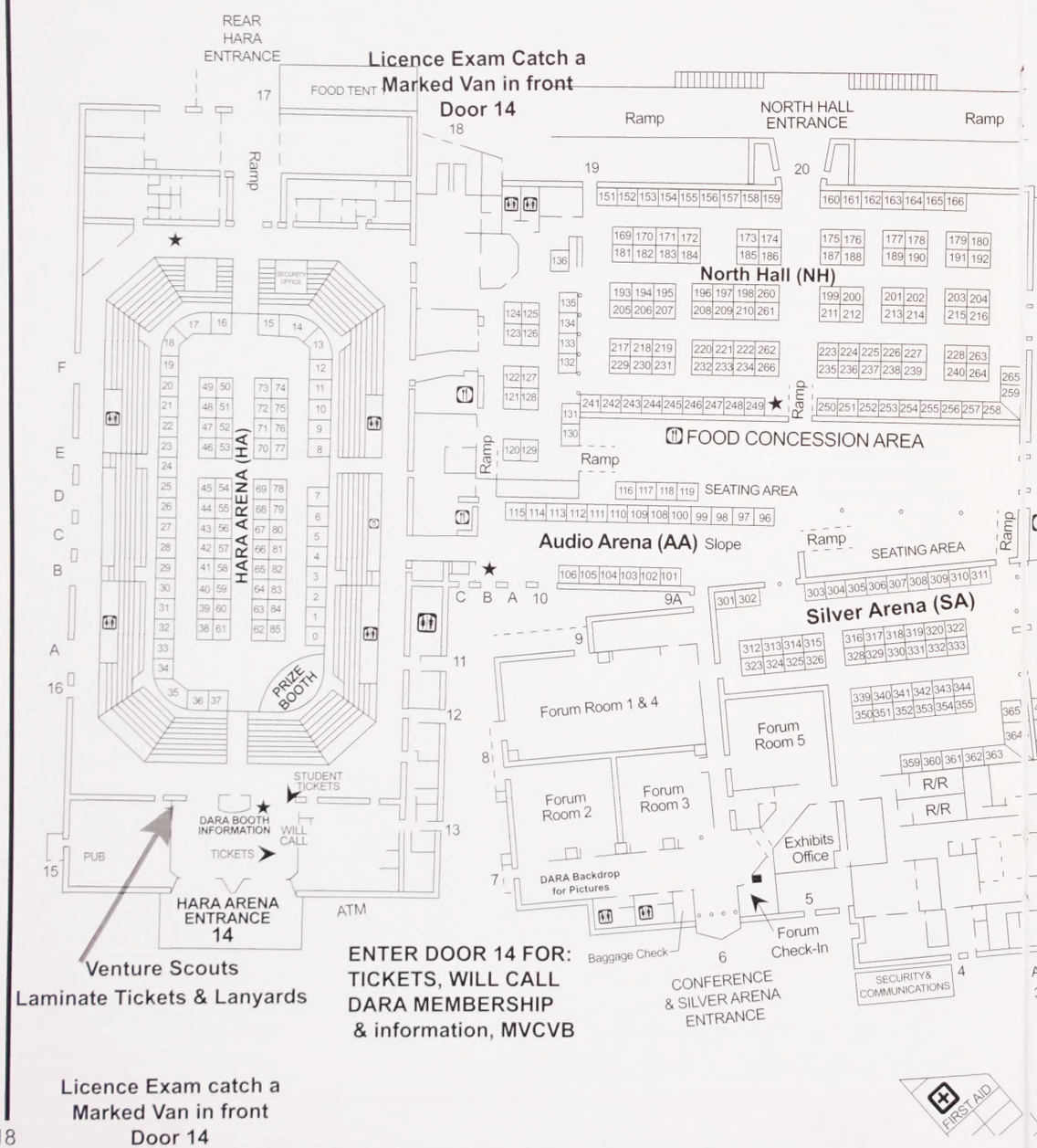
Advance Registration	Chairman	Mattix	Mark	WA8NGY
Advance Registration	Assistant Chairman	Reynolds	Tom	KC8AEU
ARRL	Liaison Chairman	Brown	Ross	WA8DQH
ARRL	Liaison Assistant Chair	Tessneer	Mark	KB8ZR
Awards	Chairman	Crawford	Dave	KF4KWW
Awards	Assistant Chair Woman	Krodel	Nancy	KC8RMT
Booth Tracker	Chairman	Coy	Steve	K8UD
Committee & Volunteer Services	Co-Chairperson	Everetts	Hazel	N8PTL
Committee & Volunteer Services	Co-Chairperson	Everetts	Jeff	N8IBW
Communications	Chairman	Crawford	Mike	KC8GLE
Communications	Assistant Chairman	Baker	Bob	N8ADO
DARA Booth	Chairman	Thuermer	Jon	KB8SRQ
DARA Booth	Assistant Chair	Jebens	Susan	KD8AFP
Finance	Chairman	Kalter	Mike	W8CI
Finance	Assistant Chair	Beafore	Frank	WS8B
Flea Market	Chairman	Tritch	Dave	N8YFQ
Flea Market	Assistant Chairman	Leeds	Stan	KC7EHJ
Forums	Chairman	Hendricks	Dave	N8HSO
Forums	Assistant Chairman	Scott	Terry	NV8E
Forums	Assistant Chairwoman	Holmes	Barb	N8EYW
Golf Carts	Chairman	Buehler	Mike	N8XGA
Golf Carts	Assistant Chairman	Sheline	Joe	KD8AQH
Inside Exhibits	Chairman	Markland	Brian	N8UDQ
Inside Exhibits	Assistant Chairman	Gauder	Rob	WD8CXV
International Relation	Chairman	DesCombes	Gary	N8EMO
International Relation	Assistant Chairman	Gavin	Joe	NC8D
License Exams	Chairman	Puckett	Dan	WD8AAU
License Exams	Assistant Chairman	Jebens	Chris	KZ8XU
Live Streaming	Chairman	Simpson	Jim	WB8QZZ
Mailing	Chairman	Cornett	Jerry	KD8TVP
Mailing	Assistant Chairman	Kaiser	Charles	KD8JZR
Marketing	Chairman	Wright	Chuck	K8MDB
Marketing	Assistant Chairman	Myers	Scott	AC8DE
Media	Chairman	Ruminski	Henry	W8HJR
Media / Info	Assistant Chairman	Ruminski	Janey	KB8PMF
MIS	Chairman	Shaw	Jim	AL7BA
MIS	Assistant Chairman	Stauber	Art	W8AJS
Phone Line/ Info	Chairwoman	Roberts	Llyn	N8LXK
Prizes	Chairman	Holmes	Tom	N8ZM
Prizes	Co-Assistant Chairman	Pitsch	Bob	KD8YRI
Prizes	Co-Assistant Chairman	Nies	Jim	WX8F
Programs & Publications	Chairman	Miller	Jerry	WD8QAI
Programs & Publications	Assistant Chairman	Holmes	Barb	N8EYW
Security	Chairman	Murphy	Greg	KB8SWM
Security	Assistant Chairman	Apple	Larry	N8MYQ
Special Event Station	Chairman	Bodey	Jerry	N8OWV
Special Event Station	Assistant Chairman	Force	Marvin	KB8MUV
Talk-In	Chairman	Lunsford	Rob	KB8UEY
Talk-In	Assistant Chairman	Gibbs	Rob	KD8HSV
Transportation	Chairman	Peterson	David	K0DHP
Transportation	Assistant Chairwoman	Peterson	Stacey	
Visual Information	Chairman	Koogler	Steve	K8DZ
Visual Information	Assistant Chairman	Forbes	Dave	KD8FO
Webmaster	Chairman	Rieben	Richard	KE4WLE
Webmaster	Assistant Chairman	Rieben	Craig	W7CLR
Membership (DARA)	Chairman	DeVoe	Jeff	K8JTD
Membership (DARA)	Assistant Chairman	Serrato	William	KD8GIK

Exhibitors

10-10 International Net, Inc BA0409
AA Computer Warehouse EH0564, EH0570
ABR Industries HA0076
Air Chair EH0577, EH0578
ALEXLOOP HA0027
Alfa Radio NH0193, NH0205
Algoram HA0077, HA0075
ALINCO / REMTronix Inc HA0054, HA0055
Alpha Antenna HA0011, HA0012, HA0013
Amateur Television Network NH0236
American Morse Equipment BA0486
American Radio Relay League BA4000
Ameritron HA0081, HA0082
AMSAT (Radio Amateur Satellite Corp.) BA0444, BA0445, BA0446, BA0433, BA0434, BA0435
Andromace Enterprises NH0229, NH0230, NH0231
Array SolutionsEH0606, EH0607, EH0608, EH0613, EH0614, EH0615, EH0620, EH0621, EH0622
Arrow Antenna BA0442
Aventas / Winradio EH0640, EH0644
Aventrade NH0199
Batteries America NH0121, NH0122, NH0127, NH0128
Battleship New Jersey Amateur Radio Station SA0351
Begali Keys BA0467, BA0466, BA0473, BA0474
Bird Technologies Group / TX RX Systems BA0413, BA0414
BlueMax49ers EH0547
Bonito Radiocom Wavecom Computer INT'L HA0048
BRIDGECOM SYSTEMS, INC SA0316
Buckmaster Publishing SA0333
Buddipole HA0016, HA0017
Byonics NH0223
Capitol Electronics, Inc EH0585
Civil Air Patrol - WPCS BA0419
Coaxial Dynamics BA0401
Collins Collectors Association EH0508, EH0509
Comet Antenna / Daiwa Meters HA0056, HA0057, HA0058
Connect Systems Inc BA0437
Courage Kenny Handiham Program SA0330
Cushcraft Amateur Radio Antenna HA0014, HA0015
CW Operators Club BA0443
Davey Holdings LLC BA0418
Davis Instruments NH0238, NH0239
Dayton Chapter of the American Red Cross SA0317
Dayton Skywarn SA0320
DC Power LLC SA0352, SA0353
Debco Electronics NH0132, NH0133, NH0134, NH0135
Dedicated RF, LLC EH0540
Diamond Antenna BA0477, SA0365, SA0364
Dishtronix EH0628
DMR-MARC BA0449
Dollar Dude NH0179, NH0180, NH0191, NH0192
DX Engineering HA0000, HA0001, HA0002, HA0003, HA0004, HA0005, HA0006, HA0007
DZKit NH0220, NH0221, NH0232, NH0233
Ears To Our World BA0411
ELAD USA Inc EH510
Elecraft Inc NH0184, NH0181, NH0182, NH0183
Electro Mavin NH0258, NH0259
Electronic Associates NH0202, NH0214
Electronic Products Design BA0478
ELECTRONIC RAINBOW IND., INC NH0235
Emergency Radio Service Inc AA0099
EMP Solutions EH0541
Engelhaupt Embroidery SA0359, SA0360
Escitec EH0536
ETA International ..... BA0429, TESTING ROOM
Expert Linears America LLC EH0525, EH0526
ExpertAmps USA BA0458, BA0447
EZ Hang Inc EH0588
EZNEC Antenna Software EH0514
Fists CW Club NH0136
Flash USB Depot EH0630, EH0631
Flexradio Systems SA0323, SA0324, SA0325, SA0312, SA0313, SA0314
Follrod Sales EH0643, EH0645, EH0629
Forbidden Knowledge EH0652
Force 12 Inc / InnnovAntennas America SA0340, SA0341
Foundation for Amateur Intl Radio Service BA0412
Futronics NH0222
GAP Antenna Products HA0030
GigaParts (Apache Labs) AA0114, AA0115
Gold Medal Ideas NH0116, NH0117, NH0118, NH0119
G-QRP Club NH0241
Green Heron Engineering EH0530, EH0531
Ham Nation AA0106
Ham Radio Class HA0100
Ham Radio Deluxe / W4PC Software AA0100, AA0108
Ham Radio Outlet HA0020, HA0021, HA0022, HA0023
Ham World, Inc HA0049
HamRadioSchool.com EH0518
Hamsource EH0544, EH0545, EH0546
HamTestOnline EH0625, EH0626
Heil Sound LTD AA0101, AA0102, AA0103, AA0104, AA0105
Hilberling USA EH0648, EH0649
Hip Ham Shirts BA0408
HobbyPCB NH0164
Hy-Gain HA0024, HA0025, HA0026
Hytech Marketing EH0527, EH0528, EH0539
ICOM America Inc .. HA0033, HA0034, HA0035, HA0036, HA0037, HA0008, HA0009, HA0010
Import Communications NH0175, NH0176
Information Radio BA0457
Infratech SA0303
INLogis Inc BA0488
International Antenna Company NH0260
Internet Labs, Inc HA0028, HA0029
iPortable BA0455
Jericho Prints BA0430
Jetstream HA0059, HA0060, HA0061
JJ Surplus SA0322
JK Antennas EH0566, EH0567, EH0572, EH0573
JT Communications NH0187
KB3IFH NH0190
Kent Morse Keys BA0440
Kenwood USA Corporation HA0050, HA0051, HA0052, HA0053, HA0054, HA0070, HA0071, HA0072, HA0073
Kessler Engineering LLC EH0519
KF7P Metalwerks EH0554, EH0555
LeafFilter Gutter Protection EH0627
Lido Mounts Eh0575
Lightning Bond Adhesives EH0576
Little Giant Ladder System NH0262
LnR Precision Inc NH0206, NH0207
Lunar-Link International NH0201

Exhibitors

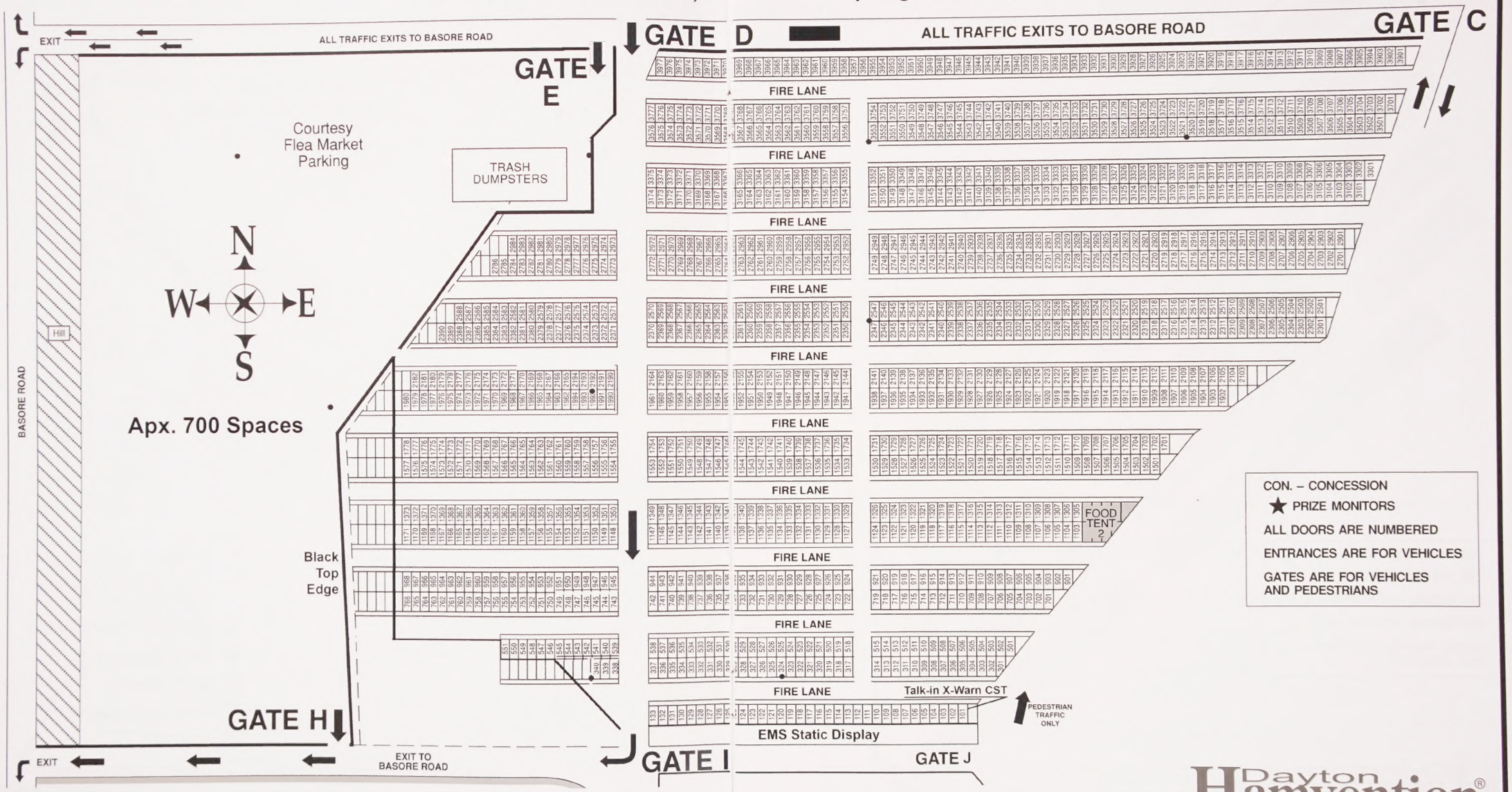
LUSO Super-Techno EH5000
M2 Antenna Systems, Inc EH0650, EH0651
Main Trading Company NH0196, NH0197, NH0208, NH0209, NH0261, NH0198
MARAC ..... Refund Issued
MARCO - Medical Amateur Radio Council BA0448
MARS, Combined MARS SA0318, SA0319
Mastrant EH0543
Matrix Circuits EH0520
MCM Electronics SA0307, SA0308, SA0309, SA0310, SA0311
Messi & Paoloni Srl BA0483
MFJ Enterprises, Inc. HA0062, HA0063, HA0064, HA0065, HA0066, HA0067, HA0083, HA0084, HA0085
Miami Valley Mesh Alliance EH0655, EH0656, EH0657, EH0658, EH0659
Michigan QRP NH0242
MicroLog by WA0H SA0339
Midwest VHF/UHF Society SA0332
Millner-Haufen Tool Company NH0200
Mini-Circuits BA0482
Mirage/Vectronics HA0080
Morse Telegraph Club, Inc SA0306
N3ZN Keys, LLC BA0422, BA0423, BA0424
N4PY Software NH0228
National Federation of the Blind & The Unseen Bean SA0305
National Voice of America Museum of Broadcasting NH0244
New-Tronics HA0031, HA0032
Northern California DX Foundation NH0253
Nuts & Volts / Servo Magazine HA0045
NW Digital Radio EH0515
Ohio Area Repeater Council BA0404
OMISS BA0441
Origami Owl NH0188
Palstar Inc EH0583, EH0584
Peet Bros. Company, Inc NH0151, NH0152, NH0153
Pignology LLC BA0407
Portable Rotation EH0529
Pro Audio Engineering NH0195
Qatar Amateur Radio Society BA0415, BA0416
QRP Works NH0194
QRP-ARCI NH0243
QSK, LLC SA0331
QSO Radio Show BA0403
Quarter Century Wireless Association SA0328
Quicksilver Radio Products BA0462, BA0463, BA0464, BA0465, BA0469, BA0470, BA0471, BA0472
R&L Electronics HA0038, HA0039, HA0040, HA0041, HA0042, HA0043, HA0044
R.A.I.N / 160 Meter G.R.N./Newsline SA0329
Rabbit Laser USA EH0501, EH0502
Radio Amateur Callbook (ITFM) HA0046, HA0047
Radio Amateurs of Canada BA0436
Radio City EH0537, EH0538
Radio Club de Provins F6KOP BA0459, BA0460
Radio Works BA0431, BA0432
Rayfield Communications, Inc BA0487
RC TOYS SALES AND SERVICE NH0177, NH0178
Refurble Inc. EH0557
RF Parts SA0363
RFinder - The Worldwide Repeater Directory NH0246
Rig Expert BA0456
RIGOL / TEQUIPMENT.NET EH0511, EH0512, EH0513
RKR Designs / Alpha Amplifiers / Ten-Tec EH0548, EH0549, EH0550, EH0551
RM Italy & Sirio Antenna EH0641, EH0642
Rohn Products, LLC NH0124, NH0125
Rotor Concept, Inc EH0556
RT Systems NH0247, NH0248
SATERN SA0350
Scanner Master Corp BA0402
SCO Inc Software/Log Window BA0405
Scootaround Inc EH5010
SeeedStudio SA0342
Select Computer Resources BA0484
Sierra Radio Systems BA0406
Siglent Technologies USA, Inc EH0504, EH0505
Sign Man of Baton Rouge EH0568, EH0569
Sign Man of Ohio NH0219
Silver Tip Antennas BA0468, BA0475
Sinbad Glue BA0438
SKCC Straight Key Century Club NH0254
Society of Amatuer Radio Astronomers / Radio Jove BA0420, BA0421
Solar24 ..... NH0129
SteppIR Antenna Systems HA0068, HA0069, HA0078, HA0079
Super Antenna Systems Corp BA0481
Suspender Man BA0479, BA0480
TAPR (Tucson Amateur Packet Radio) BA0451, BA0452, BA0453, BA0454
Tarheel Antennas NH0157, NH0158, NH0159
Telepost Inc - N8LP EH0516, EH0517
Tennadyne / Cubex EH0552
The American Legion Amateur Radio Club NH0245
The Competition NH0263
The R.F. Connection NH0154, NH0155, NH0156
The Radio Club of America NH0225, NH0226
The Whistler Group SA0343
The Wireman, Inc NH0160, NH0161, NH0162, NH0163
Timewave Technology, Inc AA0109
TOP-BEAM SYSTEMS INC EH0653, EH0654
Totally Unique Enterprise BA0410
Tower Electronics NH0173, NH0174, NH0185, NH0186
Transel Corporation SA0315, SA0326
Uncommon USA Flagpoles EH0565
Universal Radio Inc EH0506, EH0507
UPS Store NH0165, NH0166
US Tower Corp HA0018, HA0019, PL0001
VA2FSQ NH0189
Vibroplex NH0250, NH0251, NH0252
VIS Amateur Supply NH0211
Vortex Antenna Systems EH0563
W&W Manufacturing Co. EH0559, EH0560, EH0561, EH0558
W2IHY Technologies AA0110, AA0111, AA0112, AA0113
W5YI Group - Gordon West Radio School SA0355, SA0344
WA5KUB SA0302
WA8JBT EH0623
WB0W Inc NH0169, NH0170, NH0171, NH0172
Webster Communications Inc BA0425, BA0426, BA0427
West Mountain Radio EH0579, EH0580, EH0581, EH0582
Western Case Company NH0249
Wild Sage Native American Jewelry EH0562
Yaesu - Vertex Standard EH0521, EH0522, EH0523, EH0524, EH0532, EH0533, EH0534, EH0535, EH0586, EH0587
YLRL/Buckeye Belles NH0234
Youth DX Adventure SA0304


REAR HARA ENTRANCE
Licence Exam Catch a Marked Van in front Door 14
FOOD TENT
Ramp
NORTH HALL ENTRANCE
North Hall (NH)
HARA ARENA (HA)
SECURITY OFFICE
PRIZE BOOTH
FOOD CONCESSION AREA
SEATING AREA
Audio Arena (AA) Slope
Silver Arena (SA)
Forum Room 1 & 4
Forum Room 5
Forum Room 2
Forum Room 3
R/R
R/R
Exhibits Office
DARA Backdrop for Pictures
Baggage Check
Forum Check-In
CONFERENCE & SILVER ARENA ENTRANCE
SECURITY& COMMUNICATIONS
STUDENT TICKETS
DARA BOOTH INFORMATION
WILL CALL
TICKETS
PUB
HARA ARENA ENTRANCE 14
ATM
Venture Scouts
Laminate Tickets & Lanyards
ENTER DOOR 14 FOR:
TICKETS, WILL CALL
DARA MEMBERSHIP
& information, MVCVB
Licence Exam catch a Marked Van in front Door 14
FIRST AID

Dayton Hamvention®
Sponsored by Dayton Amateur Radio Association
Since 1952
Inside Exhibits
Venture Scouts
Laminate Tickets & Lanyards
Remote Ticket Drop
N
TICKETS DOOR 27
EAST HALL ENTRANCE
COMMITTEE SERVICES
MEDIA SERVICES
Drayage Building
HARA RENTAL OFFICE
Dock Area
Ramp
Scootaround
East Hall (EH)
LUSO Mesh Area
Ball Arena (BA)
SPECIAL EVENT STATION
BALLARENA ENTRANCE
AMSAT DEMO AREA
ATM
INTERNATIONAL RELATIONS
100 Years of QST
ARRL at DAYTON 2015
INTERNATIONAL RELATIONS
PRIZE MONITORS
REST ROOMS
CONCESSION AREA
FIRST AID
NUMBERED DOORS ARE ENTRANCES FOR VEHICLE ACCESS

West Flea Market

HARA Arena, 1001 Shiloh Springs, Dayton, OH

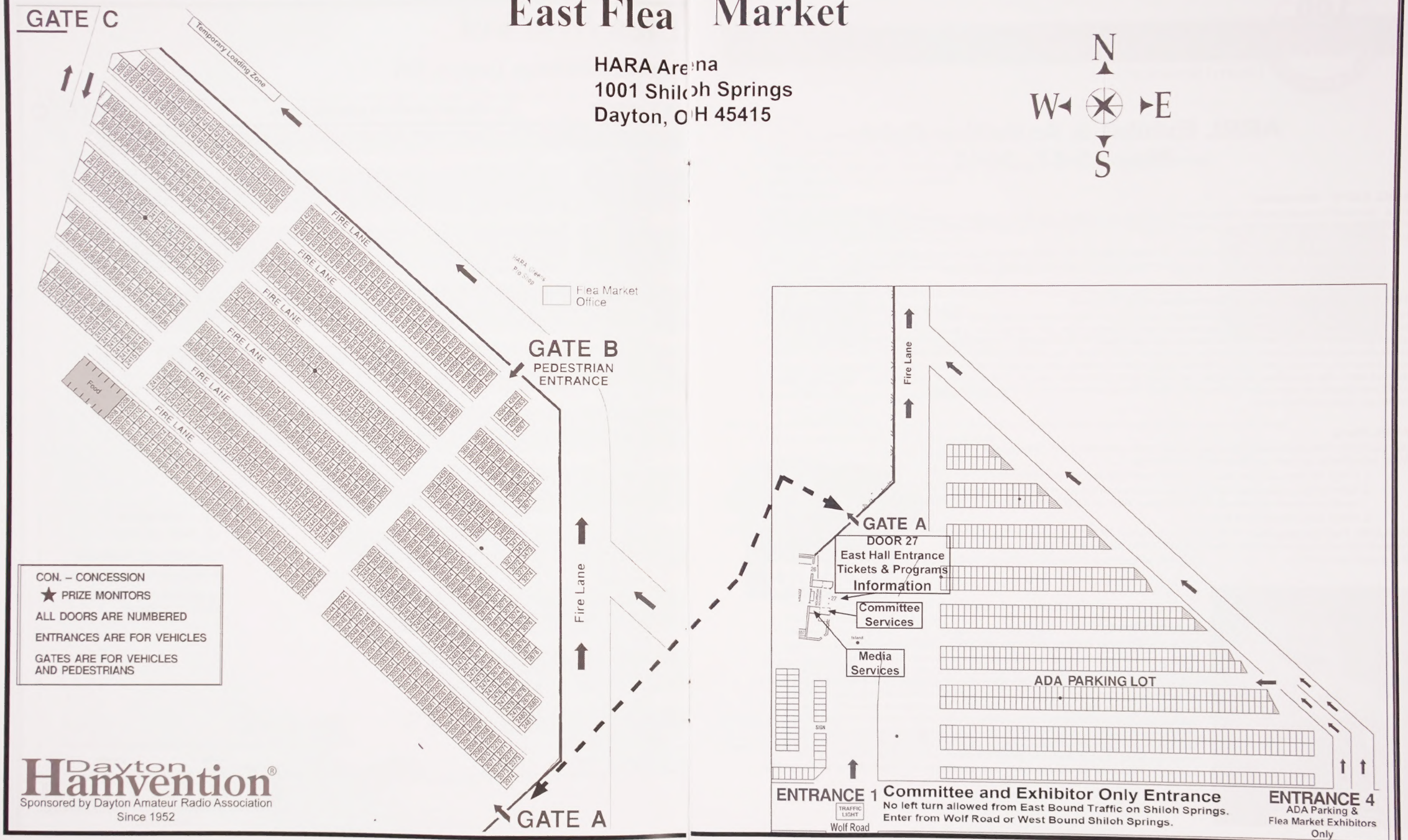


Dayton Hamvention®
Sponsored by Dayton Amateur Radio Association
Since 1952

Hamvention® Homebrew Radio 2015

East Flea Market

HARA Arena
1001 Shiloh Springs
Dayton, OH 45415



Maps

ARRL Exhibit & Activities Guide
May 15-17, 2015

ARRL EXPO – Welcome!

ARRL, the national association for Amateur Radio®, welcomes all members and friends to Dayton Hamvention®. Use this handy guide to find ARRL-sponsored activities, exhibits and program representatives. ARRL EXPO is a large exhibit area located in the Ballarena Hall (near the 400-numbered booths).

Kay C. Craigie, N3KN – ARRL President
Thomas Delaney, W8WTD – Vice Director
Dale Williams, WA8EFK – Great Lakes Division Director
Scott Yonally, N8SY – Ohio Section Manager

100 Years of *QST* – Special Commemorative Reissue

Help us celebrate 100 years of ARRL's membership journal, *QST*. First published in December 1915, *QST* is the most widely read Amateur Radio magazine in the world. A century later, *QST* remains true to its original design as source of ideas, information, innovation and exploration—devoted entirely to Amateur Radio. The celebration has included winning photos from members on 2015 covers, and articles, columns, and cartoons republished from vintage issues. **Join us for the celebration by picking-up a commemorative reissue of the first *QST*—the December 1915 issue.** The special reprint is free when you join, renew, or extend your ARRL membership at Hamvention® (at the ARRL Store). The reprint is also free for ARRL Life Members. Additional copies are $9.95 each.

ARRL Store

Visit the HUGE ARRL bookstore to purchase popular ARRL publications, join, renew or extend your ARRL membership, and pick up official ARRL merchandise.

- FREE Gift when you join, renew, or extend your ARRL membership at the show.
- BONUS Commemorative Reissue of the December 1915 issue of *QST* when you join, renew, or extend your membership at the show. **Free for ARRL Life Members.**
- FREE ARRL Dayton 2015 Button!

2015 ARRL Field Day Supplies – ARRL Field Day is June 27-28, 2015. Gear up for the most popular on-the-air operating event in Amateur Radio. Official T-shirts (choose from 2 colors), pins, hats, mugs, and posters are available.

Special Guest

Edward Michael "Mike" Fincke, KE5AIT – NASA Astronaut

ARRL is honored to welcome NASA Astronaut Edward Michael "Mike" Fincke (Colonel, US Air Force, retired) as our guest to Hamvention®. Mike holds an Amateur Radio license, call sign KE5AIT, and operated ham radio equipment from aboard the International Space Station as part of the Expedition 9 and 18 crews — making radio contacts with students, teachers, and the general Amateur Radio community. In June 2004, Mike delighted many radio amateurs by making contacts during ARRL Field Day. Amateur Radio on the International Space Station (ARISS) is a cooperative venture of ARRL, the Radio Amateur Satellite Corporation (AMSAT), NASA, and other international space agencies and international Amateur Radio organizations around the world. **You can meet and greet Mike in the ARRL exhibit area (times and locations will be posted). Mike has also been confirmed as a Hamvention® forum speaker.**

ARRL Exhibits...

- **ARRL Laboratory: Get Your Handheld Radio Tested!**
- **ARRL Development and ARRL Foundation**
- **TravelPlus for Repeaters™** software and **ARRL Repeater Directory®** mobile app demonstration.
- **ARRL Volunteer Examiner Coordinator**
- **Public Service**
- **ARRL Media and Public Relations**
- **Support HR-1301** – Show your support for The Amateur Radio Parity Act of 2015.
- **ARRL Education & Technology Program**
- **Reaching Out!—Learning with Amateur Radio** – This interactive exhibit is presented by the West Chester Amateur Radio Association / National Voice of America Museum of Broadcasting WA8VOA.
- **Radiosport and DXCC** – DXCC Card Checking; ARRL Contests and Awards; QSL Bureau
- **The ARRL Logbook of the World** (LoTW)
- **Ham Radio and Scouting**
- **ARRL Field Organization Volunteers** – Visit this gathering area for ARRL Field Organization networking, hosted by the ARRL Ohio Section.
- **National Traffic System** (NTS)
- **ARRL Visa® Card** – U.S. Bank
- **Home & Auto Insurance** – Liberty Mutual Insurance

ARRL Vehicle Donation Program

Meet representatives from the following organizations and national Amateur Radio societies in the ARRL EXPO exhibit area.

- **The International Amateur Radio Union (IARU)**
- **Deutscher Amateur Radio Club (DARC)** – Germany
- **Japan Amateur Radio League (JARL)**
- **Qatar Amateur Radio Society (QARS)**
- **Radio Society of Great Britain (RSGB)** – United Kingdom

ARRL-sponsored Forums (see forum schedule)

Friday, May 15

- **ARRL Presents: Ham Radio and the Law: Getting Antennas Up and Keeping Them Up**

Saturday, May 16

- **ARRL Member Forum**
  Moderator: Dale Williams, WA8EFK, ARRL Director, Great Lakes Division
- **ARRL Presents: The Doctor is In**
  Moderator: Joel R. Hallas, W1ZR, Contributing Editor, *QST*
- **ARRL Presents: Astronaut Mike Fincke, KE5AIT**

Sunday, May 17

- **ARRL Presents: Engaging Youth in Ham Radio through Informal Education Opportunities**
  Moderator: Larry Kendall, K6NDL, Instructor, ARRL's Teachers Institute on Wireless Technology

THANK YOU!

ARRL expresses its gratitude to the 2015 Dayton Hamvention® Committee, Dayton Amateur Radio Association, and all the volunteers who contributed to the success of ARRL EXPO 2015 in Dayton, Ohio.

Major Prize Donor List for 2015

ARRL
Dayton Hamvention
DX Engineering
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The Major Prize Donor list recognizes donors whose aggregate donations exceeded $600. We thank them for their generosity!

2015 Dayton Hamvention Prize Donors

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Prize Donor List 2015

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Transel Corporation
Universal Radio Inc
US Tower Corp
VIS Amateur Supply
W2IHY Technologies
WB0W Inc
Webster Communications Inc
Yaesu USA

Friday, May 15th

9:15 - 11:15 **Room 1** **TAPR**

Moderator: Scotty Cowling, WA2DFI, past TAPR Director and past TAPR Vice President

Speakers: Steve Bible, N7HPR, TAPR President

Steve Ford, WB8IMY, QST Editor, Write for QST/QEX

Bill Curtice, WA8APB, and Bob Dixon, W8ERD, Hamnet Mesh: Consider the Possibilities! High speed, digital, microwave mesh networks offer hams an exciting array of new communications possibilities supporting experimentation, remote sensing and control, and emergency communications. Mesh is the ultimate "experimenter's sandbox", serving as an ideal host for a wide variety of "maker" projects and applications. This presentation will introduce mesh, describing what it is, how it works, and how it's deployed. We will then address a variety of mesh applications, to include those hosted by Raspberry Pi and similar processors.

Bryan Fields, W9CR, High Speed IP Radio A presentation on High-Speed IP radio with an emphasis on building regional highly available networks. Utilizing the same techniques which enable the Internet, Amateur Radio networks may be built; connecting projects to the Internet or other sites. These networks form a resilient backup to cable, DSL and phone commercial internet connections.

Chris Testa, KD2BMH, Whitebox Project: New Charlie Prototype Come check out the third prototype of the Whitebox handheld SDR project. This is a software-defined transceiver that will be FCC-legal and can communicate using essentially any mode and protocol up to 1 MHz wide on frequencies between 50 and 1000 MHz. It pairs with your smartphone, and runs all Open Source Software on an embedded uClinux system.

Mike Ossmann, Spectrum Monitoring with Software Defined Radio Many of the current crop of SDR platforms support a very wide range of operating frequencies covering more than a GHz of bandwidth, but most users of those platforms find themselves looking at waterfall displays showing a few MHz at most. Let's look at how we can use SDR to monitor activity over several GHz of spectrum and visualize the results over both short and long periods of time.

9:15 - 10:15 **Room 2** **Homeland Security Training**

Moderator: John Peterson

The Department of Homeland Security's (DHS) Office of Emergency Communications (OEC) forum is geared toward auxiliary emergency communicators who volunteer to provide backup emergency radio communications support to public safety and emergency response agencies. Typically they are amateur radio communicators from groups such as MARS, ARES, RACES, SATERN and other amateur radio groups. Volunteer emergency communications operators/groups have been providing back-up emergency communications to the public safety community for nearly a century. They are routinely used by event planners and emergency managers at all levels of government. Today nearly all the States/territories have incorporated some level of participation by amateur radio auxiliary communication operators into their communications interoperability plans.

Come talk with the DHS Communications Unit (COMU) subject matter experts and

learn about this nationally recognized, NIMS/ICS compliant, AUXCOMM workshop and what the future holds for COMU training. This forum will include:
1. John Peterson, OECs team lead for the development of the AUXCOMM course and the AUXCOMM Field Operations Guide
2. George Molner, Statewide Interoperability Coordinator (SWIC) for the State of Nevada and how he uses trained amateur radio operators in their emergency communications planning.
3. Randy Kerr, an experienced COML and an instructor for OECs AUXCOMM and COML courses.
4. Information on OEC's Interoperable Communications Technical Assistance Program
5. How amateurs are incorporated into the National Emergency Communications Plan (NECP)
6. Information on how you can become qualified to teach OECs AUXCOMM course

9:15 - 10:15 **Room 3**

SATERN's Disaster Response Role

Speakers: Lt. Colonel Carol Busroe, National Liaison for EDS Emergency Disaster Services National Director for White House Relations
Bill Fiest, WB8BZH, Southern Territory SATERN Coordinator
Bill Shillingto, W9ZCL, Central Territory SATERN Coordinator

9:15 - 10:15 **Room 5**

QRP Challenge

Moderator: Ken Evans, W4DU, is the current president of the QRP Amateur Radio, International (QRP ARCI).
Speaker: Craig Behrens, NM4T, the "Huntsville (Rocket City) QRP Guy" and Founder of The QRP SkunkWerks: A new generation of creative QRPers are actively redefining amateur radio. It makes no difference if you are an occasional low-power radio enthusiast or a die-hard QRP fanatic—it's the 21st century and the rules have changed. This forum is not about your father's version of QRP! Join us as we examine how powerful and (now) affordable technologies are being leveraged to create radio capabilities and extreme radio sport activities that have never been available to us before.

10:30 -12:00 **Room 3**

Instructors' Forum

Moderator: Carole Perry, WB2MGP
The Instructors' Forum is designed to inform and share ideas with teachers, instructors and leaders of youth groups that incorporate Ham Radio in their programs with young adults.
Speakers: EMike McCardel,KC8YLD, VP for Educational Relations AMSAT-NA, AMSAT Educational Outreach and New ARISS Proposal Guidelines An overview of educational outreach opportunities and activities available through AMSAT and its educational partners, including the ARRL and ARISS.
Stan Reubenstein, WA6RNU, president emeritus of Radio Club of America and on the RCA Youth Activities Committee, International Efforts to Promote Youth in Ham Radio A discussion of the efforts in recruitment in different countries and motivations to keep young hams involved and engaged in radio.
Ed Engleman, KG8CX, co-founder of Y.A.C.H.T. (Young Amateurs Communications Ham Team) program, Promoting Ham Radio to Youth in a Boys and Girls Club Setting and Creating and Maintaining Activity and Interest through an Echolink Youth Group and Net. All presenters will provide handouts for the audience members.

10:30 - 11:30 **Room 5**

IOS & Android Rig Control

Internet your Thing. Nick, N3WG, from Pignology, LLC will be giving an overview of a project to build a low-cost, Internet controlled, rig controller. The project uses the Wi-Fi module from Electric Imp to send control signals to/from an Elecraft K3, including remote power-on/off. The concept of using Electric Imp for remote control and sensing can be extended to anything in the shack you might need to actuate with an always on, low-power device. Nick will discuss where this idea came from, the technology in use and give an overview of the circuit board he created for the project.

11:00 -12:00v **Room 2**

The Evolution of Radio Through the Ages

Speaker: Frank J. Beafore, WS8B

Based on the first chapter of Antennas by John D. Kraus (K8JK/SK), this forum will take the audience from basic scientific discoveries from 600 BC to the present. Along the way, many personalities and their respective contributions to the science of radio communication will be discussed. Some demonstrations will be presented and as in any forum, audience participation will be strongly encouraged.

11:30 - 12:30 **Room 1**

APRS

Speakers: Bob Bruninga, WB4APR, APRS Operating notes
Byon Garrabrant, N6BG, Byonics Update
Allen Lord, AF6OF, Microtrack Update
Jason Rausch, KE4NYV, RPC Electronics Update
Don Arnold, W6GPS, AVMAP G6 update
Andrew Pavlin, KA2DDO, author of YAAC
Bryan Hoyer, K7UDR, NW Digital Radio

11:45 -12:45 **Room 5**

Kit Building Techniques For Success

Building kits can be a lot easier, once you know the best ways to make your kit building experience easier with the right tools. Join us to learn what is new in the kit world and learn tips to make building kits more successful and enjoyable!
Moderator/Speaker: Joe Eisenberg, K0NEB, Kit Building Editor, CQ Magazine, Kit Building Tips For Both Beginners and Experts
Speakers: Wayne Burdick, N6KR, Elecraft, What is New and Tips for Builders
Rex Harper, W1REX, QRP ME, Easy Kits for QRP Fun

12:15 - 2:15 **Room 2**

Balloon Sat

Moderators: Bill Brown, WB8ELK, & Doug Loughmille, W5BL
Speakers: Bill Brown, WB8ELK, Miniature Trackers and Long Duration Flights
Gene Swiech, WB9COY, Arizona Near Space Research Ballooning
Brian Tanner, Spaceport Indiana STEM Activities
Keith Kaiser, WA0TJT, Jurassic Pigs and Other Adventures in High Altitude Ballooning, Part 2

12:15 - 1:45 **Room 3**

Hams in Space

Speakers: Randy Schulze, KD0HKD, and Eddy Paul, KY0F
You don't need 100W of transmit power nor expensive antenna arrays to work the FM amateur satellites! Many hams already have the necessary equipment to "work the birds." The Hams in Space Presentation will walk you through ALL the steps needed to successfully work ham satellites. An emphasis of "Keep it Simple" and "Have Fun" is stressed throughout.

12:45 - 2:15 **Room 1**

D-Star

Speakers: Ray Novak, NJ6N, ICOM, John Davis, WB4QDX, Robin Cutshaw, AA4RC, Jim Moen, K6JM, Guus Van Dooren, PE1PLM

D-STAR continues to grow and change. The speakers this year are experts in the many facets of D-STAR and will be updating attendees with the latest news, radios, and gadgets. New products are always the highlight at the forum.

1:00 - 2:15 **Room 5**

Techniques of Best Operators

Speakers: Mitch Stern, W1SJ, and Tony Pazzola, W2BEJ

Why is it such a struggle to work the DXpeditions? Why is working new stations such a struggle? Why is it every time I get into a QSO, it ends up getting swallowed up in a sea of QRM? Now that you've bought up all the great stuff from the Flea Market and got home and set it all up, now what do you do after you turn it on? How do you go about making contacts with others? Why does everyone else work the DX but you can't? It's probably because they attended THIS FORUM in the past!

2:00 - 3:30 **Room 3**

Foxhunt / ARDF

Moderator: Dick Arnett, WB4SUV

Speakers: Bob Frey, WA6EZV and Brian Deyoung, K4BRI

Topics include demonstration, and discussions on a variety of equipment used for VHF mobile, on foot and ARDF style transmitter hunts. Demonstrations also on equipment used to locate intentional interference.

2:30 - 5:00 **Room 1**

Antenna Forum

Moderator: Tim Duffy, K3LR

Speakers: Angel Vazquez, WP3R, A Behind the Scenes Tour - The World's Largest Antenna at Arecibo Angel will describe the operation of the world's largest radio telescope. He will highlight its mission and how amateur radio has a tremendous link to this high technology antenna system.

Joel R. Hallas, W1ZR, A Look at Antenna Analyzers Joel will give a review of popular Antenna Analyzers highlighting their functions and explaining their features. He will review the operation of the units including things you should be aware of when selecting your next analyzer.

Dr. Tamitha Skov, The Science of Predicting Space Weather and How it Affects Propagation Dr. Skov will present an overview of her work to understand the Sun's impact on the ionosphere. She will review the tools and research she is involved in as well as discussing her weekly Space Weather updates on spaceweather.tv

Greg Ordy, W8WWV, Quadcopter Drone Assisted Real World Antenna Pattern Measurements Greg will show how he is using a Quadcopter to measure antenna patterns. He will show his work in this area so far with a signal generator and present some ideas for more work in this area in the future.

2:30 - 3:45 **Room 2**

Ham Radio and the Law: Getting Antennas Up and Keeping Them Up

Moderator: Fred Hopengarten, Esq., K1VR, Author of "Antenna Zoning for the Radio Amateur"

Speakers: Jim O'Connell, Esq., W9WU, ARRL Volunteer Counsel; Dan Henderson, N1ND, ARRL Regulatory Information Manager; and Kevin Kaufhold, Esq., W9GKA, ARRL Volunteer Counsel

ARRL invites you to this discussion by Amateur Radio attorneys on legal issues of interest to hams: avoiding restrictive covenants, presenting your case for a tower

permit, and the latest court rulings on PRB-1 and towers. You'll also enjoy an update on ARRL's proposed legislation, The Amateur Radio Parity Act of 2015 — H.R.1301, introduced in the US House of Representatives to protect hams living under Homeowner Association authorities. This forum is sponsored by ARRL, the national association for Amateur Radio.

2:30 - 3:30 **Room 5** **YL Forum**

Moderator: KC8PKY Linda Metz, President YLRL

Join members of the Young Ladies' Radio League to find out about this historic club and women in Amateur Radio. Every woman ham is a "Young Lady" no matter what her age. Topics will include: reports on new nets and awards, the YLRL 75th Anniversary convention held last August and last May's International YL Meet in Reykjavik, Iceland, where to find YLs at local events; how to get the YL magazine; and much more. Bring your questions to the YL Forum and find out more about women in Amateur Radio, meet officers in the YLRL and hear from Young Ladies of all ages! OMs are also welcome to earn awards and are appreciated for their support.

3:45 - 5:00 **Room 3** **Advances in Software Defined Radio**

Moderator: Stephen Hicks, N5AC

Speakers: Scotty Cowling, WA2DFI, The Ins and Outs of Internet Connected Radios

How would you like to listen to the bands on a triband Yagi at 110 feet, even though you live in an antenna-restricted HOA? It is easier than ever to listen to Internet-connected radios or connect your SDR to the Internet to share with others. Along with your SDR, a moderately performing Linux system and an average broadband connection is all that you need to put your SDR on-line. The requirements are even less if you just want to operate a remote rig. We will cover various client and server software programs that are available, along with the hardware you will need.

3:45 - 5:00 **Room 5** **Introduction to Digital Mobile Radio (DMR) and the Amateur Radio DMR Networks**

Presenter: Dr. John S. Burningham, W2XAB

This presentation will provide the basics of the DMR terminology, technology and user equipment available along with a description of the network infrastructure used on the Amateur Radio Mototrbo™ Networks.

4:00 - 5:00 **Room 2** **County Hunting**

Moderator: Dr. Timothy Eklin, W8JJ, holds USA-CA #1203 and is currently attempting to work all US counties using CW and is closing in on the MARAC BINGO award. He also enjoys operating mobile to activate needed counties on multiple bands and modes. Tim will serve as host and moderator for again this year's forum.

Speakers: Bob Voss, N4CD, will discuss going mobile the "county hunter way." Bob is an experienced county hunter having transmitted from all 3077 counties. He will discuss how to get those "last counties" for others working on the various awards including running mobile from Alaska and Hawaii.

Tim Eklin, W8JJ, will present a slide show detailing his most recent mobile ham radio installation. The presentation will cover bonding, 12 VDC wiring, RF chokes, and innovative radio and antenna mounting solutions for mobile operations. He will conclude with a product review of the Scorpion SA-680 (10-80 meter) antenna for county hunting.

Saturday, May 16th

9:15 - 10:15 **Room 1**

Drake Equipment
Maintain, Modernize, or Magnify? YOU can do all three!
Moderator: Evan Rolek, K9SQG
Speakers: Evan Rolek, K9SQG: Drake L4B tune up: it's not what you think!
Jeff Covelli, WA8SAJ, TR-7 adjustable ALC/power, for ALL modes?
Mark Gilger, WB0IQK, C-Line is great, but what frequency am I on?
Ron Baker WB4HFN, Self-contained, 2 tube L4B: How did he do that?
Jeff WA8SAJ, Mark WB0IQK, Ron WB4HFN and Gary W8PU, Ask the Experts: Questions and Answers
FREE prize drawing including Drake memorabilia.
FREE collectable Drake pens for the first 125 attendees.

9:15 - 12:00 **Room 2**

2015 Youth Forum
Moderator: Carole Perry, WB2MGP
Come show support and join the fun by attending this forum that showcases our young, talented hams. Bring kids with you to inspire them by seeing role models having fun and being creative in ham radio activities. Lots of surprise guests will be stopping by. We will be having fabulous door prizes for adults and youth who are in attendance.
Speakers: Tyler Hammond, KD8UAY, 13 years old, Contesting for Elementary Students
Abbigail Wilson, KF5BEW, 18 years old, and Kendra Wilson, KF5FYS, 16 years old, Youth and the Future of Ham Radio
Sam Case, KG7HBY, 11 years old, The Friday Night QSO Party
Jesse Shulins, KB1YNK, 17 years old, Pneumatic Mast Systems for the Radio Amateur
Faith Hannah Lea, WA4BBC, 10 years old, and Zechariah Lea, WX4TVJ, 12 years old, Experiences in Antenna Selection, Construction, and Use for VHF Applications
Cameron Thurston, N8CAM, 16 years old, Contesting with N3FJP Software

9:15 - 10:15 **Room 3**

Clandestine "Spy" Radio Operations during WW-II
Speaker: Tom Perera Ph. D. - W1TP
Tom will describe and show the desperate attempts by the resistance to build radios to keep informed about the progress of the war ...and by spies to communicate critically important intelligence information back to the Allies while being ruthlessly hunted by German direction-finding teams.

9:15 - 11:00 **Room 5**

ARRL Member Forum
Moderator: Dale Williams, WA8EFK, ARRL Director, Great Lakes Division
ARRL is the national association for Amateur Radio in the United States. The organization has over 166,000 members worldwide, publishes the popular monthly journal QST, and coordinates an extensive all-volunteer field organization. Hear from local and national ARRL officials on key areas advocacy on behalf of members. Find out how ARRL supports dozens of ways to get involved and get on the air. Members and prospective members are all welcome!

10:30 - 12:15 **Room 1**

Ham Nation - A Town Hall Meeting
Hosts: Bob Heil, K9EID, Gordon West, WB6NOA, George Thomas, W5JDX, Dale Puckett, K0HYD, and Valerie Hotzfeld, NV9L

10:30 - 11:45 **Room 3**

RTTY Contesting

This year's theme is "Improving RTTY Communication", with an emphasis on the transmitted RTTY signal for maximum intelligibility while being a goodneighbor on the bands with the minimum bandwidth necessary for optimumcommunication. While the focus is RTTY Contesting, the learnings and techniques apply to all RTTY communication. For the RTTY enthusiast, this is a "don't miss" forum.
Moderator: Ed Muns, W0YK
Speakers: Larry Gauthier, K8UT, and Ed Muns, W0YK

11:15 - 1:30 **Room 5**

AMSAT

Moderator: Alan Biddle, WA4SCA
Speakers: Barry Baines, WD4ASW, AMSAT-NA President, AMSAT Status Report will highlight recent activities within AMSAT and discuss some of the challenges, accomplishments, and exciting projects of the organization.
Frank Bauer, KA3HDO, AMSAT-NA Vice President for Human Spaceflight, ARISS Report 2015 will discuss ARISS development & operations on the International Space Station.
Jerry Buxton, N0JY, AMSAT-NA Engineering Vice President, AMSAT-NA Fox Satellite Program will discuss the upcoming launches of four Fox spacecraft and exciting new engineering developments.
Drew Glasbrenner, KO4MA, AMSAT-NA Operations Vice President, AMSAT Satellite Operations will discuss current satellites, as well as those planned for launch in the next year.
Tom Clark, K3IO, AMSAT-NA President Emeritus, AMSAT's Skunk Works will discuss some innovated R&D items for future spacecraft.
EMike McCardel, KC8YLD, AMSAT-NA Educational Relations Vice President, Amateur Satellites, Education, and You! will discuss the resources and equipment which supports the educational goals of AMSAT-NA.

12:00 - 1:00 **Room 3**

The Doctor is In

Moderator: Joel R. Hallas, W1ZR, Contributing Editor, QST
To help celebrate 100 years of ARRL's membership journal, QST, we've brought "The Doctor" to Hamvention®! QST's popular monthly column "The Doctor is In" provides short, helpful answers to readers' questions. While the items in the magazine are just a fraction of all that are received, questions are selected with the hope that they will be useful to multiple members who hadn't yet thought to ask them. Bring your questions to this session—technical ones are best—and "The Doctor" will try to provide an answer (some questions may require further consultation, antenna modeling, or other offline analysis for a complete answer). This forum is sponsored by ARRL, the national association for Amateur Radio.

12:15 - 2:00 **Room 2**

Fast Scan ATV

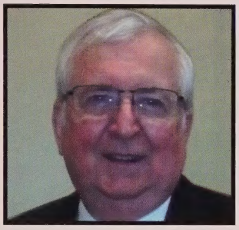
Moderator: Art Towslee, WA8RMC, Introduction and Wrap-Up
Speakers: Gordon West, WB6NOA, Life After the P.C. Analog Tx/Rx
Mel Whitten, K0PFX, Getting started in Digital Amateur Television
Dr. Al Torres, KP4AQI, VSWR: Why It Does Not Mean As Much As You Think (For ATVers)
Mike Collis, WA6SVT, ATV in Southern California, Overview

continued on page 38

Award Winners

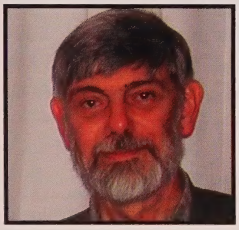
Amateur of the Year Award
Tim Duffy, K3LR

Tim Duffy, K3LR, of West Middlesex, PA, has a long history of giving back to Amateur Radio. He is founder, promoter and chairman of the successful Contest University (CTU) which has helped to teach radio sport contest operating with excellent volunteer professors. The first CTU was held in Dayton in 2007. Since then more 3,700 radio radio sport enthusiasts have attended 25 CTU's held in eight different countries under his watchful guidance.



Special Achievement Award
Thomas C. Medlin, W5KUB

The Dayton Hamvention Special Achievement Award recognizes the 14 years of service that Tom Medlin, W5KUB, has provided through W5KUB.com, a worldwide webcast of live ham radio events. From his start as "Helmet Cam" man, he has grown the webcast to cover all aspects of amateur radio from events like the Dayton Hamvention to field day, vendor tours, special technical discussions, and special events such as K6H from the stage of "Last Man Standing" in Hollywood. The webcast recently added a weekly live amateur radio program which remotely brings in guests from around the world. The W5KUB.com viewer base has reached approximately 50,000 unique operators in about 150 countries.



Technical Excellence Award
Reverend George Dobbs, G3RJV

Rev. George Dobbs, G3RJV, has helped many amateur radio operators build their own equipment. Currently G3RJV writes a monthly practical construction column, "Continuing the Practical Way" for the Practical Wireless magazine and the QRP Column for the Radio Society of Great Britian, (RSGB) magazine Radio Communication. He authored the book "QRP Basics" and jointly compiled the "International QRP Collection" for the RSGB.

Club of the Year
Orlando Amateur Radio Club

The Orlando Amateur Radio Club, (OARC) with the club call of W4PLB, is the largest and oldest amateur radio club in Central Florida with consistently over 300 members. It is an American Radio Relay League, (ARRL) Special Service Club, and offers many outlets for amateur radio enjoyment and growth. The members of the Orlando Amateur Radio Club take great pride in planning for the future of amateur radio and preserving the history of technology. They do this by recruiting, training and helping committed hams to carry on the tradition of amateur radio. They actively support Orange County ARES and Skywarn as well as several community service agencies. They continually provide conduct training and testing for all ages. To keep members informed, a monthly e-newsletter includes meeting information, items of interest and important announcements.

Previous Award Winners

AMATEUR OF THE YEAR

1955 ...William C. Jenney, W8FYW
Benjamin S. Zieg, W9EHU, K4OQK
1956....Edmund C. Ryan, W8LRR
1957....Ralph Crammer, W8VHO
I958 ....Rev. C. Lynn White, K4CC
1959....Harlow Lucas, W8QQ
1960....Paul Woffe, W8IVE
1961....Ed Bonnet, W8OVG
1962....Dana Cartwright, W8UPB
1963....Chester Funk, K8EUF, K7ZKL
1964 ...H. Ruble, W8PTF
1965....Carl B. Snyder, W8ARW
1966....Robert K Caskey, W9DNQ
1967....Jack Gray, W8JDV
1968....Elmer Schubert, W8ALW
1969....Wayne Walters, W9DOG
1970....Kay Anderson, W8DUV
1971....Al Michel, W8WC
1972 ...Don C. Miller, W9NTP
1973....Ray E. Myers, W6MLZ
1974....Barry Goldwater, K7UGA
1975 ...Richard A. Daniels, WA4DGU
1976....Joseph M. Hertzberg, N3EA
1977....Rafael M. Estevez, WA4ZZG
1978....Frank Schwab, W8OK
1979....George G. Batterson, W2GB
1980....Wayne Overbeck, N6NB
1981....Eric C. Shalkhauser, W9CI
1982....Robert G. Heil, Jr., K9EID
1983....Katashi Nose, KH6IJ
1984....Dave L. Bell, W6AQ
1985....John J. Willig, W8ACE
1986....Roy Neal, K6DUE
1987....Carole Perry, WB2MGP
1988....Bill Bennett, W7PHO
1989....Bill Pasternak, WA6ITF
1990....Stephen Mendelsohn, WA2DHF
1991....John B. Johnston, W3BE
1992....Richard Baldwin, WIRU
1993....Harry Dannals, W2HD
1994....Perry Williams, WlUED
1995....Rosalie White, WA1STO
1996....William A. Tynan, W3XO
1997....Leo I. Myerson, WØGFQ
1998....Andrew J. Feldman, WB2FXN
1999....Kenneth M. Miller, K6IR
2000....Marttie Laine, OH2BH
2001....George Jacobs, W3ASK
2002....Alanson "Hap" Holly, KC9RP
2003....Larry "Tree" Tyree, N6TR
2004....David Kopacz, KY1V
2005....Alan S. Kaul, W6RCL
2006....Gordon West, WB6NOA
2007....Jim Haynie, W5JBP
2008....Ward Silver, NØAX
2009....Wade D. Hampton, K4ITL
2010....Jim Stafford, W4QO
2011....Shirley Roberts, N8LX
2012....S. Suri, VU2MY
2013....None Given
2014....Dr. Larry E Prince, W4RA

Previous Award Winners (continued)

SPECIAL ACHIEVEMENT AWARD

1977.....South American Moonbounce (EME)
Expedition Team of the Mt. Airy VHF
Radio Club Inc., Philadelphia, PA
Elliott Weisman, K3JJZ
Anthony Sousa, W3HMU
S. William Olsan, W3HQT
Walter Boldman, K3BPP
Daniel Mitten, WA3NFU
Socrates Martinez, WB3AFY
Bohnar Aguilar, WB3AOP
1978.....Ronald Moorefield, W8ILC
1979.....Edward Tilton, W1HDQ
1980.....Joseph Merdler N6AHU
198I .....Bill Pasternak, WA6ITF,
Bill Orenstein, KH6IAF
1982.....Bruce Humphrys, KØHR
1983.....Lenore Jensen, W6NAZ
1984.....Ethel Smith, K4LMB
1985.....Judith Frye, KG8P
1986.....Rev. Michael Mullen, C.M., WB2GQW
1987.....Arthur Gentry, W6MEP
1988.....Fred Hammond, VE3HC
1989.....Phil Karn, KA9Q
1990.....Paul Thomson, KCØVG
1991.....Nate Brightman, K6ØSC
1992.....Ned Raub, W1RAN
1993.....Robert Adams, WA9ZMO
1994.....Russ Kroeker, N7HGE
1995.....Ed Briner, WA3TVG
1996.....John Kraus, W8JK
1997.....Joseph J. Fairclough, WB2JKJ
1998.....John B. Bellows, Jr., KØQB
1999.....Paul D. Lieb, KH6HME
2000.....A. Prose Walker, W4BW
2001.....Frank Bauer, KA3HDO
2002.....Dr. Owen Garriott, W5LFL
2003.....Jonathan Taylor, K1RFD
2004.....George S. Wilson III, W4OYI
2005.....D. Bharathi, VU2RBI
2006.....Riley Hollingsworth, K4ZDH
2007.....Ed Hare, W1RFI
2008.....Emery McClendon, KB9IBW
2009.....Richard Garriott, W5KWQ
2010.....Richard "Dick" Ross
2011.....Fred L. Lloyd, AA7BQ
2012.....Steve Betza, WZ2V
2013.....George a. Thomas, Jr, W5JDX
2014.....David Sumner, K1ZZ

TECHNICAL EXCELLENCE AWARD

1984....Lyle Johnson, WA7GXD
1985 ...Richard Whiting, WØTN
1986....M. E (Doug) DeMaw, W1FB
1987....Henry (Hank) Oredson, WØRLI
1988....Lew McCoy, W1ICP
1989....Byron Goodman, W1DX
1990....Bob McGwier, N4HY
1991....Lou McFadin, W5DID
1992....Gerald Cromer, K4NHN
1993....Dick Jansson, WD4FAB
1994....Dick Newell, AK1A
1995....Philip Ferrell, K7PF
1996....William Orr, W6SAI
1997....Al Ward, W5LUA
1998....Robert E. Bruninga, WB4APR
1999....Alfonso R. Torres, KP4AQI
2000....Dr. H. Paul Shuch, N6TX
2001....Peter Martinez, G3PLX
2002....Allen Waller, K3TKJ
2003....Steve Dimse, K4HG
2004....Barry Sanderson, KB9VAK
2005....Dr. Jerry Sevick, W2FMI
2006....Richard Illman, AH6EZ
2007....David Cameron, VE7LTD
2008....Thomas C. McDermott, N5EG
2009....Copthorne Macdonald, VY2CM
2010....Simon Brown, HB9DRV
2011....Roy W. Lewallen, W7EL
2012....Joel R. Hallas, W1ZR
2013....David Rowe, VK5DGR
2013....David M. Whitten, II, KD0EAG
2014....David Freese Jr, W1HKJ

Saturday (continued from page 34)

12:30 - 2:30 **Room 1** **Contesting**

Moderator: Doug Grant, K1DG
Speakers: Doug Grant, K1DG, WRTC2014 Documentary Video excerpts with Chairman's Commentary WRTC2014 took place in July 2014 in the Boston area. A superb 1-hour professional documentary video about the event has been produced by James Brooks, 9V1YC. (This video is available for viewing at www.wrtc2014.org or at https://vimeo.com/119947598 and should be watched prior to coming to Dayton. This talk will reveal some interesting and amusing behind-the-scenes anecdotes.)
Michael Hoeding, DL6MHW, Vice-President, WRTC2018; and Sandy Raeker, DL1QQ, Competitor, WRTC2014 Preparations for WRTC2018 Michael and Sandy will describe the work being done to prepare for WRTC2018, to be held in Germany. Topics will include contesting in Germany, organizations and people involved, open and closed issues, description of proposed sites, and an invitation to attend.
John Pescatore, K3TN, The K3TN Zero-operator, Multi-transmitter Operation at K4VV in ARRL DX CW John will describe the setup and challenges of enabling five remote operators to operate a Multi-Multi station in the ARRL DX Contest. During the contest, operators from Maryland, Virginia, North Carolina and Florida all used the K4VV station to amass over 4200 QSOs.
Larry "Tree" Tyree, N6TR, Is Remote Contesting Ready for Prime Time? Tree will describe the current state of applying remote-station technology to contesting. Tree has operated the ARRL November Sweepstakes contest from a station in VE8 while physically located in Oregon, and from his own station in Oregon while sitting in a hotel room in India. In addition to the technology, remote contesting opens new questions about remote receiving sites, licensing, and more.

1:15 - 2:15 **Room 3** **Kenwood Legacy Hybrid Equipment**

Supporting user interests and needs for the Legacy Kenwood Equipment.
Moderator: Mark Gilger, WB0IQK
Speakers: Jeff Covelli, WA8SAJ: History of the Legacy Products
Mark Gilger, WB0IQK, Resource Help with Parts and Documentation
Mark Gilger, WB0IQK, Restoration Techniques
Jan Servaites, N8CBX, Hi Pot Tube Testing
Jan Servaites, N8CBX, Replacing the TS-530 Relay
Jan Servaites, N8CBX, Restoring the T-599 Transmitter
Jeff Covelli, WA8SAJ & Jan Servaites, N8CBX, Questions and Answers

1:45 - 3:00 **Room 5** **ARRL Forum**

ARRL is honored to welcome NASA Astronaut Edward Michael "Mike" Fincke (Colonel, US Air Force, retired) as our guest to Hamvention. Mike holds an Amateur Radio license, call sign KE5AIT, and operated ham radio equipment from aboard the International Space Station as part of the Expedition 9 and 18 crews — making radio contacts with students, teachers, and the general Amateur Radio community. In June 2004, Mike delighted many radio amateurs by making contacts during ARRL Field Day. Amateur Radio on the International Space Station (ARISS) is a cooperative venture of ARRL, the Radio Amateur Satellite Corporation (AMSAT), NASA, and other international space agencies and international Amateur Radio organizations around the world. This forum is sponsored by ARRL, the national association for Amateur Radio.

2:15 - 3:15 **Room 2**

Portable HF Antenna System

Moderator: George Zafiropoulos, KJ6VU, PackTenna--Designing the perfect portable HF antenna system. Operating HF radio while on the trail, car camping, or traveling is a challenge. We want full size antenna performance in a small, light weight package that can be stuffed in a backpack or suitcase. In this session we will explain the design and mechanical construction of the PackTenna, a multi-band wire antenna system that takes advantage of light-weight backpacking hardware to create a full sized antenna system.

2:30 - 3:30 **Room 3**

Quarter Century Wireless Association, Inc. (QCWA)

Moderator: Ken Oelke, VE6AFO, President

Speakers: Tom Loughney, AJ4XM, General Manager, Carole Perry, WB2MGP, Chair, Youth Activities Committee, and Collin Pike, KJ4AXB, QCWA Scholarship Award Recipient The Quarter Century Wireless Association, Inc. is where the past meets the present, to lead into the future. The forum will discuss the recent changes with the hiring of our new General Manager, Tom Loughney, AJ4XM, and other changes with our volunteer make-up. President Ken Oelke, VE6AFO, will talk about our new demographics, and ask members for their input. General Manager Tom Loughney, AJ4XM, will talk about Chapter and International Relationships and new member benefits, such as discount programs. Carole Perry, WB2MGP, will introduce Collin Pike, KJ4AXB, and talk about the future of the new Youth Activities Program. Other items for the forum include Annual General Meeting of the Members and QSO Party - a request for ideas and suggestions.

2:45 - 5:00 **Room 1**

DX Forum

Moderators: Jay Slough, K4ZLE, and Pete Meyer, N0FW, and the rest of the SWODXA team Once again the SouthWest Ohio DX Association in cooperation with the Hamvention (r) committee and Yaesu are proud to sponsor the 2015 DX Forum. This year's line up represents an around the world look at several DXpeditions and gives you a peek at what it takes to go there and do that! Come and hear, come and see, come and learn that the road is not always smooth and is sometimes arduous, even after you have arrived on site!

Speakers: Patrick Godderie, ON4HIL and Marc Cosemans, ON6CC, EP6T - Kish Island, Iran

Gene Spinelli, K5GS, VK9MT - Mellish Reef

Glenn Johnson, W0GJ and Bob Allphin, K4UEE, K1N - "The Long Road to Navassa" 13 Years in the Making

W1AW/xx - "Dead Band DX" - 100 years in the making

3:15 - 5:00 **Room 5**

Digital Modes Now and For the Future

Moderator: Mel Whitten, K0PFX

Speakers: Rick Barnich, KA8BMA, SM1000 - The Inside and out of HF Digital Voice's New FreeDV in-a-Box Want to make your SSB radio into a Digital Radio without the need for a PC? Here is the solution in one small enclosure that easily connects to the radio in your shack. In his talk, Rick will tell you all about it so you too may begin enjoying the advantages of Digital Voice over HF.

Bruce Perens, K6BP, The Future of Amateur Radio: Where the Digital Road Will Take Us Wonder what you'll be doing at Hamvention 2020? Hear from Bruce Perens, K6BP, one of the founders of the Open Source movement in software and CEO of Alogram, the handheld SDR company. As HTs become smarter than your smartphone, Amateur Radio becomes a lot more than we have today.

Chris Testa, KD2BMH, Whitebox Charlie: Evolution towards the HT of the Future

continued on page 43

2015 ARRL/DARA Scholarships

Picture Not Available

John A. Crooke, KDØSTX, lives in Springfield, Missouri and graduated John achieved his Technician level license at age 15, and learned Amateur Radio from his father. John says Amateur Radio has helped him, "learn about other cultures, and join a close community of diverse, interesting and kind people" and that Amateur Radio has "broadened my horizons." At his high school, he connected with other hams, and has worked on radio projects in his Physics Club, where was President, having "jam sessions."

John's career choice is influenced by his life-long interest in space. He is especially likes to learn math and science theories, and physics. He hopes to achieve his PhD and do research at a national lab or university, or even NASA.

John's career choice is influenced by his life-long interest in space. He is especially likes to learn math and science theories, and physics. He hopes to achieve his PhD and do research at a national lab or university, or even NASA.

Jessica E. Lipa, KX8A, is from Saline, Michigan and graduated last year from Saline High School. She is currently holds a 4.0 GPA at University of Michigan where she is studying mechanical engineering.

Jessica holds an Extra Class license. Her older brother became interested in Amateur Radio after reading Hardy Boys and Danny Dunn books, and both Jessica and her dad followed him into the hobby. She achieved her Technician license at the age of 10 and upgraded to Extra four years later. Amateur Radio sparked Jessica's interest in math and science, has taught her communication skills and geography, and has increased her knowledge of geography and foreign cultures. Jessica is most appreciative though of how Amateur Radio has strengthened her bond with her brother and all the adventures they have shared through this hobby. They especially enjoy CW and operate in Field Day every year. She has worked 86 countries and 6 continents and hopes to earn DXCC in the future.

In high school, Jessica participated in the U.S. National Chemistry Olympaid Honors Program, placing in several areas. She also played the clarinet in band, and pursued piano as well, volunteers often at her church, and tutored fellow students in math and science.

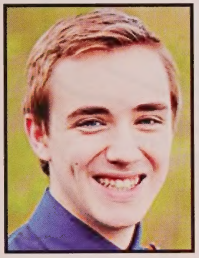
Kiran A. Shila, KJ4EYN, is from Lutz, Florida and graduated third in his class at Steinbrenner High School. He is attending the University of Southern Florida Honors College and pursing a degree in Electrical Engineering and Computer Science.

Kiran holds a General license, and is a self-described 'tinkerer.' He says he has used every formula learned in Amateur Radio in his physics courses, noting, "Radio has proven to be the focal point in my studies, as everything I am interested in winds up relating back to radio."

Kiran created an emergency communications system for his high school using Amateur Radio as his Eagle Scout project, attending county commissioner meetings and congressional galas to promote the inclusion of Amateur Radio into public safety programs. He is active in Field days, encouraging his fellow troop members and friends

Kiran A. Shila, KJ4EYN continued
to join him. In fact, Kiran teaches the Radio merit badge to other scouts, and always takes his rig when hiking to be connected. He is also active with his county's ARES/RACES chapter.

Kiran has received the National AP Scholar award, the National AP Scholar with Distinction award and participated in his schools Electronics Club and Model UN. He has also served on his school's newspaper.



Matthew D. Preisser, KK4NSS, lives in Crescent Springs, Kentucky, and was valedictorian of his graduating class from Dixie Heights High School. He is currently attending Auburn University studying Biosystems Engineering.

Matthew learned about Amateur Radio through his high school's Amateur Radio club, eventually earning his General license. The club's teacher taught the students how Amateur Radio works and about different antennas, including how to build your own antenna. Matthew was inspired to go into engineering because his teacher encouraged hands-on activities, which Matthew enjoyed.

Because of his outstanding academic achievements, Matthew has been recognized through multiple awards, including the Deans' List, National Honor Society, German Honor Society, Kentucky Governor's Scholars Program, and more. Matthew is also active in his community, volunteering at the Newport Aquarium, as a reading mentor, as a cook for his church's Christmas dinner and at the Yellow Ribbon Support Center. He was also Captain of his high school swim team, President of the Student Council, and participated on the Superintendent's Advisory Board. He is also an avid scuba diver.

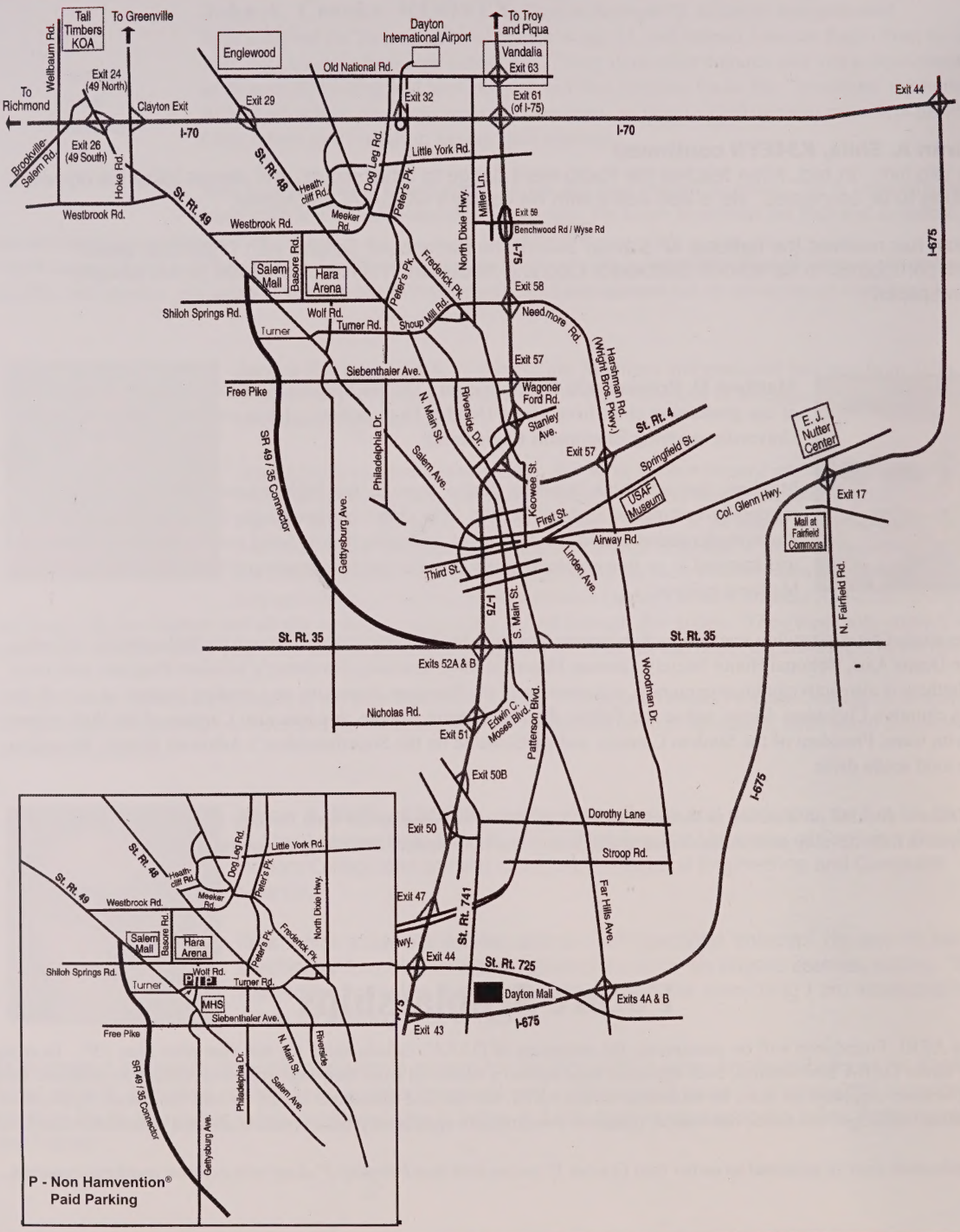
Matthew decided on a career in Biosystems as it combines his passion for both biology and the environment. He hopes to help develop new technologies and systems, and help protect and preserve natural resources.

Future Scholarships

The ARRL Foundation will be announcing the recipients of DARA's Scholarships for this year after May 15th. To apply for future DARA Scholarships, each applicant must submit a transcript from their high school or college to complete their application. Applications must be submitted via the ARRL website and transcripts should be sent via e-mail. Applications without transcripts will not be considered. Questions concerning the application process should be directed to foundation@arrl.org.

Applications must be submitted no earlier than October 1st and no later than February 1st along with a current academic transcript.

Dayton Area


Tall Timbers KOA
To Greenville
Wellbaum Rd.
To Richmond
Exit 24 (49 North)
Clayton Exit
Exit 26 (49 South)
Brookville-Salem Rd.
Hoke Rd.
I-70
Englewood
Exit 29
St. Rt. 49
Westbrook Rd.
Old National Rd.
Dayton International Airport
Exit 32
To Troy and Piqua
Vandalia Exit 63
Exit 61 (of I-75)
Exit 44
Little York Rd.
Dog Leg Rd.
Peter's Pk.
Healthcliff Rd.
Meeker Rd.
Miller Ln.
North Dixie Hwy.
Exit 59
Benchwood Rd / Wyse Rd
I-75
I-675
Salem Mall
Basore Rd.
Hara Arena
Frederick Pk.
Exit 58
Needmore Rd.
Shiloh Springs Rd.
Wolf Rd.
Turner Rd.
Shoup Mill Rd.
Turner
Exit 57
Siebenthaler Ave.
Free Pike
Wagoner Ford Rd.
Harshman Rd. (Wright Bros. Pkwy.)
Riverside Dr.
N. Main St.
Stanley Ave.
St. Rt. 4
Springfield St.
E. J. Nutter Center
Philadelphia Dr.
Salem Ave.
Keowee St.
USAF Museum
Exit 17
Col. Glenn Hwy.
SR 49 / 35 Connector
Gettysburg Ave.
First St.
Mall at Fairfield Commons
Airway Rd.
Linden Ave.
Third St.
S. Main St.
N. Fairfield Rd.
St. Rt. 35
Exits 52A & B
Nicholas Rd.
Exit 51
Edwin C. Moses Blvd.
Patterson Blvd.
Woodman Dr.
Exit 50B
Dorothy Lane
Exit 50
Stroop Rd.
Exit 47
St. Rt. 741
Far Hills Ave.
Exit 44
St. Rt. 725
Dayton Mall
Exits 4A & B
Exit 43
I-675
P - Non Hamvention® Paid Parking

Saturday (continued from page 39)

Chris has been working on a portable software defined transceiver in order to discover innovative ways for digital communication. In his talk Chris will go over the third design of the Whitebox project, handheld project with the goal of pushing the envelope of what to expect from your next Amateur Handheld.

3:30 - 4:30 **Room 2**

MARS
Moderator: Paul English, Army MARS Program Manager
Presentations by Paul English, Army MARS, Dave Stapchuck, AF MARS, and Bo Lindfors, Navy MARS .

3:45 - 5:00 **Room 3**

VHF-UHF
Moderator: Tony Emanuele, WA8RJF
Speakers: Zack Widup, W9SZ, Portable VHF & UHF Antennas
Rick Campbell, KK7B, Project-Based Approach to VHF-UHF Technology
Ed Krome, K9EK, SDR Panadapters: Methods for Older Receivers
Mike Kana, AA9IL, Quick! I need a 2.3 GHz transverter!
Garry Hess, K3SIW, Microwave ATV
Kent Britain, WA5VJB, VHF/UHF/Microwave Antennas

Sunday, May 17th

9:15 - 10:15 **Room 1**

ARES
Moderator: Stan Broadway, N8BHL, SEC Ohio ARES
ARES as a viable emergency resource for our communities. There will be a report on various activations we've had up to date, and some suggestions for how ARES organizations can improve their relationships with served agencies.

9:15 - 10:15 **Room 2**

Rohn Towers
Presenter: Mark Allen, W6PC, president of Rohn Tower Co.
This presentation will enlighten participants concerning problems and risks associated with the erection, maintenance, dismantling and continuing operation of their amateur radio towers and similar structures that support antennas. Many of the structures are 30 or more years old. Common problems, modes of failure, preventive maintenance and related topics will be covered.

9:15 - 10:15 **Room 3**

Interactive Forum for HRD
moderator: Rick Ruhl, W4PC
HRD continues to grow after 4 year and has become the default program for hams when they need radio control, logging, digital modes and rotor control.
There will be an open Q&A on any subject at the end of the presentation.
This will be Ham Radio Deluxe's 4th Hamvention and the live demo can be seen in booths 99-100 in Audio Alley.

9:15 - 11:15 **Room 5**

Bicycle Mobile
The 25th Annual BMHA forum at Hamvention
Bicycle Mobile Hams of America got its start in1989 when a QST article by Hartley Alley, NA0A, asked hams who operate their radios while bicycle-mobile to get together and form a group. BMHA hosts a website along with the BMHA Yahoo Groups forum.

Moderator: Mike Nickolaus, NF0N
Speaker: Budd Drummond, W3FF, The Making of the DX Tricycle, Power and Custom Antenna
Mike Nickolaus, NF0N, The Best of Bicycle Mobile Hams of America, From 1990 – 2015
Arn Grubbs, KA0NCR: 25 Years of the Dayton BMHA Ride!
We plan to have bicycle mobile displays and demonstrations of each will be conducted.

10:30 - 11:30 **Room 1** **System Fusion**
Moderator: Mark Thompson, WB9QZB
Speakers: Chris Wilson, N0CSW, National Sales Manager, Yaesu
This is the first System Fusion forum at the Dayton Hamvention. The forum will include a presentation & discussion about Yaesu's new System Fusion Voice & Data technology designed exclusively for Amateur Radio.
The forum will review the new Yaesu DR-1X 2m/70cm FM/C4FM Digital Voice Repeater and the WIRES-X (Wide-coverage Internet Repeater Enhancement System) VoIP internet communications linking system incorporating both Analog FM & C4FM Digital Voice on the same repeater & network.
Hams experienced in using System Fusion technology and deploying repeaters & WIRES-X will be available to share their experiences and answer your questions about System Fusion.
Everyone who is using or interested in System Fusion is encouraged to attend & participate.

10:30 - 11:30 **Room 2** **SHARES-Shared Resources HF Emergency Communications**
Representing the National Coordinating Center for Communications-Department of Homeland Security
Moderator/Presenter: Ross Merlin, WA2WDT

10:30 - 11:30 **Room 3** **Engaging Youth in Ham Radio through Informal Education Opportunities**
Moderator: Larry Kendall, K6NDL, Instructor, ARRL's Teachers Institute on Wireless Technology
Larry Kendall, K6NDL, is an Instructor for ARRL's Teachers Institute on Wireless Technology (TI) — an outreach program that sponsors professional development seminars for educators, motivating teachers and schools to use radio electronics and related technologies to inspire students studying Science, Technology, Engineering, and Math (STEM). Larry has been an educator and curriculum developer since 1981 and teaches middle school Technology and Robotics at Sitting Bull Academy in Apple Valley, California. Before becoming a TI Instructor, Larry participated in ARRL's TI-1, TI-2: Space in the Classroom, and TI-2: Remote Sensing workshops. Larry will share some best practices and resources, including experiences from participating in Scouting's Jamboree on the Air (JOTA) through his involvement as a board member of the Victor Valley Amateur Radio Club. This forum is sponsored by ARRL, the national association for Amateur Radio.

Forums Overall Schedule

Friday

	Room 1	Room 2	Room 3	Room 5
9:15 am	TAPR Digital Forum	Homeland Security Training	SATERN Disaster Response	QRP Challenge
9:30 am				Craig Behrens
9:45 am	Steve Bible	John Peterson	0915-1015	0915-1015
10:00 am	0915-1115	0915-1015		
10:15 am				
10:30 am				iOS & Android Rig Control
10:45 am			Instructor's Forum	Nick Garner
11:00 am		Evolution of Radio	Carole Perry	1030-1130
11:15 am		Frank Beafore	1030-1200	
11:30 am	APRS	1100-1200		Kit Building
11:45 am	Bob Bruninga			Wayne Burdick
12:00 pm	1130-1230			1145-1245
12:15 pm			Hams in Space	
12:30 pm				
12:45 pm		Balloon Sat	Randy Schulze	
1:00 pm	D-Star	Bill Brown	1215-1345	Techniques of Best Operators
1:15 pm	Ray Novak	1215-1415		Mitch Stern
1:30 pm	1245-1415			1300-1415
1:45 pm			Foxhunt/ ARDF	
2:00 pm				
2:15 pm				
2:30 pm		Ham Radio and the Law	Bob Frey	YL Forum
2:45 pm		Jim O'Connell	1400-1530	Linda Metz
3:00 pm				1430-1530
3:15 pm	Antenna Forum	1430-1545		
3:30 pm	Tim Duffy			
3:45 pm	1430-1700		Advances in Software Defined Radio	Introduction to Digital Mobile Radio
4:00 pm		County Hunting	Scotty Cowling	1545-1700
4:15 pm		Tim Eklin	1545-1700	
4:30 pm		1600-1700		
4:45 pm				
5:00 pm				

Saturday

	Room 1	Room 2	Room 3	Room 5
9:15 am	Drake Equipment		Spy Radios of WWII	
9:30 am	Evan Rolek		Tom Perera	ARRL Member Forum
9:45 am	0915-1015	Youth Forum	0915-1015	
10:00 am				Dale Williams
10:15 am				0915-1100
10:30 am		Carole Perry	RTTY Contesting	
10:45 am	Ham Nation	0915-1200	Larry Gauthier	
11:00 am	Bob Heil			
11:15 am	Gordon West		1030-1145	
11:30 am	1030-1215			
11:45 am				
12:00 pm			The Doctor is in	AMSAT
12:15 pm		Fast Scan ATV	Joel Hallas	Alan Biddle
12:30 pm			1200-1300	1115-1330
12:45 pm		Art Townslee		
1:00 pm	Contesting			
1:15 pm	Doug Grant	1215-1400	Kenwood Legacy Hybrid	
1:30 pm	1230-1430			
1:45 pm			1315-1415	ARRL Forum
2:00 pm		Portable HF Antenna Systems		
2:15 pm				1345-1500
2:30 pm			OCWA	
2:45 pm		1415-1515	Tom Loughney	
3:00 pm				
3:15 pm			1430-1530	Digital Modes Now and for the Future
3:30 pm	DX Forum	MARS		
3:45 pm	Jay Slough		VHF-UHF	
4:00 pm	1445-1700	Paul English	Zack Widup	Rick Barnich
4:15 pm		1530-1630	1545-1700	1515-1700
4:30 pm				
4:45 pm				
5:00 pm				

Sunday

	Room 1	Room 2	Room 3	Room 5
9:15 am	ARES	Rohn Towers	Interactive For HDR	
9:30 am	Stan Broadway	0915-1015	0915-1015	Bicycle Mobile
9:45 am	0915-1015			
10:00 am				Mike Nickolaus
10:15 am				
10:30 am	System Fusion	SHARES HF EMCOM	Engaging Youth in Ham Radio	0915-1115
10:45 am	1030-1130	1030-1130	1030-1130	
11:00 am				
11:15 am				
11:30 am				
11:45 am				
12:00 pm				
12:15 pm				
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4:15 pm				
4:30 pm				
4:45 pm				
5:00 pm				

Dayton Hamvention Past General Chairs

1952-l955	John J. Willig, W8ACE	*
1956-1957	Rudy Plak, W8ZOF (W6TIK)	*
1958	Frank J. Schwab, W8YCP (W80K)	*
1959-1960	Ed F. Bonnet, W80VG	*
1961-1962	Joseph H. McNutt, W8GFN	*
1963-1964	Sheemon A. Wolfe, W8WJL	*
1965-1966	Edgar A. Smith, W8RKL	*
1967	Robert Wilcox, K8EJI	*
1968-1969	Jack Ohmart, K8CUA	*
1970-1971	Kenneth E. Mills, W8RLY	
1972	George L. Shearer, WA8IHC (KE8WJ)	*
1973-1976	Ted L. Suarez, K8BSC	*
1977	Wallace M. Wright, WA8ZCA (AD8N)	*
1978	John Basilotto, W5GI (WA8ZAN)	*
1979	Sandford H.Cohen, W8JEZ	*
1980-1981	Noel K. McKeown, WB8QQC	
1982-1983	Harold A. Judd, K4GZL	*
1984-1985	Jack Mitchell, AA8Q	
1986-1987	Jim Simpson, WB8QZZ	
1988-1989	Bill McNabb, WD8SAY	
1990	Ed Hillman, N8ALN	
1991-1992	Ross Brown, WA8DQH	
1993-1994	Dave Grubb, KC8CF	
1995-1996	Ken Allen, KB8KE	
1997-1999	Dick Miller, N8CBU	*
2000-2002	Jim Graver, KB8PSO	
2003	Pat Neff, N8IGS	
2004- 2005	Gary Des Combes, N8EMO	
2006-2007	Jim Nies, WX8F	
2008-2009	Carl Rose, K8CPR	
2010	Lee Boeckerman, W8LFB	
2011-2012	Michael Kalter, W8CI	
2013-2014	Charles Kaiser, KD8JZR	

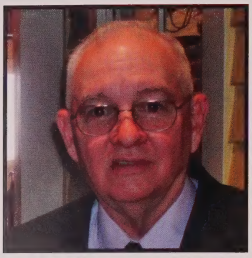
* Silent Key

Past DARA Presidents

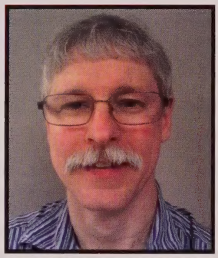
1926	C.A. Petry	8AWN
1927	C.A. Petry	8AWN
1928	Lou Driggs	W8HEQ
1929	Ray Stotts	
1930	Art John	W8DMI
1931	Fred Rawson	W8KKH
1932		
1933	Fred Allen	W8GER /W8FU
1934		
1935	Dan C. McCoy	W8CI/W8DG
1936		
1937		
1938	Emil Henrich	W8OVL
1939		
1940	Russ Gardner	W8TPC
1941		
1942	Cheever Ely	W8LJ
1943	Cheever Ely	W8LJ
1944	Cheever Ely	W8LJ
1945	Hyde E. Ruble	W8PTF
1946	Hyde E. Ruble	W8PTF
1947	Russ Hardy	W8AQT
1948	Clem Wolford	W8ENH
1949	John Willig	W8ACE
1950	Clem Wolford	W8ENH
1951	Frank Schwab	W8YCP/W8OK
1952	Frank Schwab	W8YCP/W8OK
1953	Hyde E. Ruble	W8PTF
1954	Rudy Plak	W8ZOF
1955	Allan D. Gunston	W8GQ
1956	Andrew B. Henderson	W8WYL
1957	Robert G. Siff	W8QDI
1958	Ed F. Bonnet	W8OVG
1959	Joseph H. McNutt	W8GFN
1960	Walter G. Burdine	W8ZCV
1961	Robert F. Zimmerman	W8DPW/W8ZM
1962	Hyde E. Ruble	W8PTF
1963	Richard D. McFadden	K8ERE
1964	Ted Suarez	K8BSC
1965	Robert E. Wilcox	K8EJI
1966	Jim Dakin	K8BPC
1967	Ken Mills	W8RLY
1968	George Shearer	WA8IHC/KE8WJ
1969	George Shearer	WA8IHC/ KE8WJ
1970	Owen Vance	WA8PHW
1971	Jules Wittebort	W8SE
1972	Budd Chaney	WA8UUX
1973	Wesley Duckwitz	W8IPT
1974	Ken Mills	W8RLY
1975	Robert O. Wilson	W8JRN
1976	Robert O. Wilson	W8JRN
1977	Melvin L. Levy	WA8YKV
1978	Melvin L. Levy	WA8YKV
1979	William G. Ingling	W8SVI
1980	William G. Ingling	W8SVI
1981	Victor M. Stauder	N8FPF/WA2KOO
1982	Victor M. Stauder	N8FPF/WA2KOO
1983	Thomas Holmes	N8ZM
1984	Victor M. Stauder	N8FPF/WA2KOO
1985	Edgar "Red" Smith	W8RKL
1986	Ray Smith	KR8B
1987	Ray Smith	KR8B
1988	Al Torres	KP4AQI
1989	Thomas Holmes	N8ZM
1990	Thomas Holmes	N8ZM
1991	Ron L. Moorefield	W8ILC
1992	Thomas Holmes	N8ZM
1993	Victor M. Stauder	N8FPF/WA2KOO
1994	Thomas Holmes	N8ZM
1995	Dave Coons	WT8W
1996	Dave Coons	WT8W
1997	Michelle Ervin	KA9FUL
1998	Gary DesCombes	N8EMO
1999	Gary DesCombes	N8EMO
2000	John Phillips	N8ZGT
2001	Reuben Meeks	W8GUC
2002	Reuben Meeks	W8GUC
2003	Mike Buehler	N8XGA
2004	Mike Buehler	N8XGA
2005	Mike Kalter	W8CI
2006	Mike Kalter	W8CI
2007	Jim Simpson	WB8QZZ
2008	Jim Simpson	WB8QZZ
2009	Steve Coy	K8UD
2010	Jim Simpson	WB8QZZ
2011	Steve Coy	K8UD
2012	Don Dubon	N6JRL
2013	Don Dubon	N6JRL
2014	Reuben Meeks	W8GUC

Dayton Amateur Radio Association

DARA Board

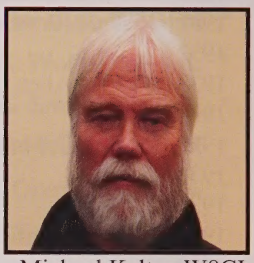


Don DuBon, N6JRL
President

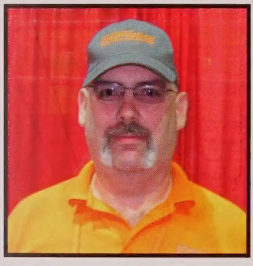


Sam Anderson, N8VES
Vice President

Nancy Krodel, KC8RMT
Secretary

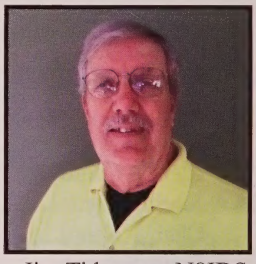


Michael Kalter, W8CI
Treasurer



Rob Lunsford, KB8UEY
Junior Trustee

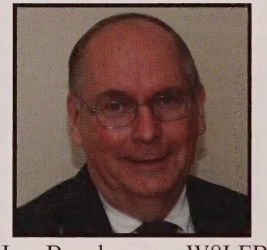
Jim Simpson, WB8QZZ
Senior Trustee



Jim Tiderman, N8IDS
Hamvention General Chair

Planning Council

Chuck Wright, K8MDB



Lee Boeckerman, W8LFB

Carl Rose, K8CPR

While you are in town be sure to stop by the newly re-modeled club house with a 4000 square foot addition

DARA Club House

Open House Hours:

Friday 6:00 p.m.-8:00 p.m.

Saturday 6:00 p.m.-8:00 p.m.

Directions to DARA's Club House

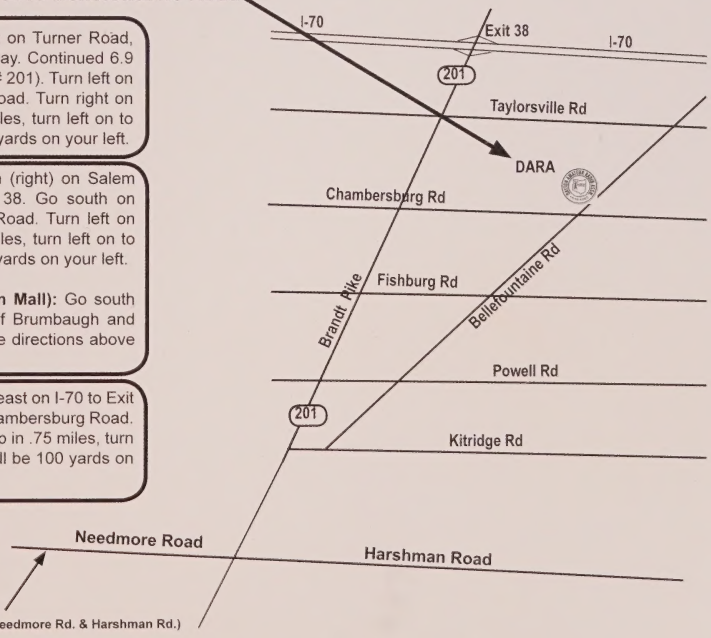
6619 Bellefontaine Road

From Hamvention: Take Wolf Road south, Turn left on Turner Road, Turner Road is also known as Wright Brothers Parkway. Continued 6.9 miles on Wright Brothers Parkway to Brandt Pike (SR# 201). Turn left on Brandt Pike and travel 2.2 miles to Chambersburg Road. Turn right on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefountaine Road. DARA's Club House will be 100 yards on your left.

From Remote Parking (Old Salem Mall): Go north (right) on Salem Avenue (SR# 49) to I-70. Go east on I-70 to Exit 38. Go south on Brandt Pike (SR# 201) 1.5 miles to Chambersburg Road. Turn left on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefountaine Road. DARA's Club House will be 100 yards on your left.

Alternate Route From Remote Parking (Old Salem Mall): Go south (left) on Salem Ave) 0.8 miles to the Intersection of Brumbaugh and Turner Roads. Turn left on Turner Road and follow the directions above "From Hamvention:"

From Downtown Dayton: Take I-75 north to I-70. Go east on I-70 to Exit 38. Go south on Brandt Pike (SR# 201) 1.5 miles to Chambersburg Road. Turn left on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefountaine Road. DARA's Club House will be 100 yards on your left.



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